

The background of the entire page is a photograph of a large satellite dish antenna. The dish is dark and has a complex metal lattice structure. It is mounted on a tall, multi-legged support structure. The sky behind it is a gradient of orange and yellow, suggesting a sunset or sunrise. In the bottom left corner, there is a blue graphic element consisting of concentric white circles, resembling a signal or antenna pattern.

**GENEX** RF

**CATALOGUE 2022**

**COAXIAL CONNECTORS  
AND R.F. CONNECTORS**

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## THE FINAL ANSWER IN ELECTRONICS PASSIVE RADIOFREQUENCY

Genex s.r.l. is glad to introduce Genex RF s.r.l. division that is going to oversee all the operational and productional activities of Genex Group.

Genex RF manufactures passive radiofrequency for civil and military telecommunications, realizing customer specific RF cables, components and transmission lines in coax and waveguide for workstations in research and development laboratories, naval and avionics installations. Genex RF is equipped with CNC machine tools and a laboratory equipped with RF VNA instruments capable of ensuring the electrical operation of components.



# PRODUCTS

*ACCESSORIES*

*ANTENNAS*

*ASSEMBLY CABLES*

*CASES FOR SERVICE RF*

*COAXIAL ADAPTERS*

*COAXIAL ATTENUATORS*

*COAXIAL CONNECTORS*

*COAXIAL CONNECTORS FOR HIGH VOLTAGE*

*COAXIAL TERMINATIONS*

*CONNECTORS FOR ELLIPTICAL GUIDE*

*CONTACT FOR CIRCULAR CONNECTORS*

*CUSTOM CABLES*

*DC BLOCK*

*DIRECTIONAL COUPLERS*

*DUMMY LOADS*

*FILTERS*

*GROUNDING KITS*

*HIBRIDS*

*IMPEDANCE ADAPTERS*

*JUMPERS*

*LIGHTNING EMP PROTECTORS*

*PATCH PANELS*

*POWER SPLITTERS*

*PRECISION ADAPTERS*

*PRECISION MECHANICALS*

*U-LINKS*

*WAVEGUIDE*



Distinctive feature of GENEX RF is an immediate products delivery, thanks to a large and full warehouse.



OUR WAREHOUSE



OUR OFFICES



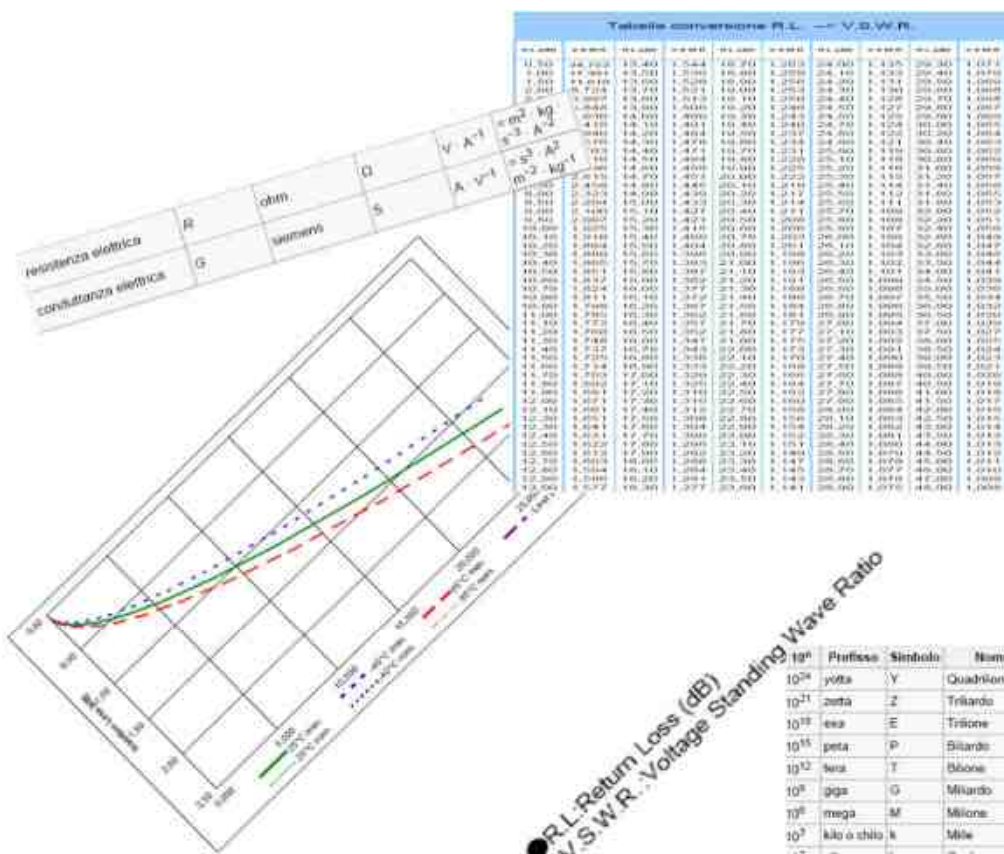


# GENEX RF

## Certified Quality from 0 to 40 GHz



# TECHNICAL INFORMATION



$$V.S.W.R. = \frac{10^{\frac{R.L.}{20}} + 1}{10^{\frac{R.L.}{20}} - 1}$$

$R.L. = 20 \log_{10} \frac{V.S.W.R. + 1}{V.S.W.R. - 1}$   
 $V.S.W.R. = \frac{10^{\frac{R.L.}{20}} + 1}{10^{\frac{R.L.}{20}} - 1}$

Unit	Symbol	SI Unit	Symbol	Formula	Dimension
energia, lavoro, calore	J	joule	J	$N \cdot m$	$kg \cdot m^2 \cdot s^{-2}$
potenza, flusso radiante	W	watt	W	$J \cdot s^{-1}$	$kg \cdot m^2 \cdot s^{-3}$
carica elettrica	C	coulomb	C	$A \cdot s$	$A \cdot s$
potenziale elettrico, forza elettromotrice, tensione elettrica	V	volt	V	$J \cdot C^{-1}$	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-1}$
resistenza elettrica	R	ohm	$\Omega$	$V \cdot A^{-1}$	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-2}$
conduttanza elettrica	G	siemens	S	$A \cdot V^{-1}$	$s^3 \cdot A^2 \cdot kg^{-1} \cdot m^{-2}$
capacità elettrica	C	farad	F	$C \cdot V^{-1}$	$s^4 \cdot A^2 \cdot kg^{-1} \cdot m^{-2}$
densità flusso magnetico	B	tesla	T	$V \cdot s \cdot m^{-2}$	$kg \cdot s^{-2} \cdot A^{-1}$
flusso magnetico	Φ	weber	Wb	$V \cdot s$	$kg \cdot m^2 \cdot s^{-2} \cdot A^{-1}$
induttanza	L	henry	H	$V \cdot s \cdot A^{-1}$	$kg \cdot m^2 \cdot s^{-2} \cdot A^{-2}$
temperatura	T	grado Celsius	°C	K	K

10 <sup>n</sup>	Prefixo	Simbolo	Nome	Equivalente decimale
10 <sup>24</sup>	yotta	Y	Quadrilione	1 000 000 000 000 000 000 000 000
10 <sup>21</sup>	zetta	Z	Trilione	1 000 000 000 000 000 000 000
10 <sup>18</sup>	exa	E	Trilione	1 000 000 000 000 000 000
10 <sup>15</sup>	peta	P	Bilione	1 000 000 000 000 000
10 <sup>12</sup>	tera	T	Milione	1 000 000 000 000
10 <sup>9</sup>	giga	G	Milardo	1 000 000 000
10 <sup>6</sup>	mega	M	Milione	1 000 000
10 <sup>3</sup>	kilo o chilo	k	Mila	1 000
10 <sup>2</sup>	otto	h	Centi	100
10	deca	da	Dieci	10
10 <sup>-1</sup>	dec	d	Decimo	0,1
10 <sup>-2</sup>	centi	c	Centesimo	0,01
10 <sup>-3</sup>	milli	m	Millesimo	0,001
10 <sup>-6</sup>	micro	μ	Millesimo	0,000 001
10 <sup>-9</sup>	nano	n	Millesimo	0,000 000 001
10 <sup>-12</sup>	pico	p	Bilionesimo	0,000 000 000 001
10 <sup>-15</sup>	femto	f	Bilionesimo	0,000 000 000 000 001
10 <sup>-18</sup>	atto	a	Trilionesimo	0,000 000 000 000 000 001
10 <sup>-21</sup>	zepto	z	Trilionesimo	0,000 000 000 000 000 000 001
10 <sup>-24</sup>	yocto	y	Quadrilionesimo	0,000 000 000 000 000 000 000 001



**Conversion table      dBm      Milli-watt**

dBm	Milli watt	dBm	Milli watt	dBm	Milli watt	dBm	Milli watt	dBm	Milli watt	dBm	Milli watt	dBm	Milli watt
-18,00	0,0158	-11,10	0,0776	-4,20	0,380	2,70	1,86	9,60	9,12	16,50	44,70	23,40	219
-17,90	0,0162	-11,00	0,0794	-4,10	0,389	2,80	1,91	9,70	9,33	16,60	45,70	23,50	224
-17,80	0,0166	-10,90	0,0813	-4,00	0,398	2,90	1,95	9,80	9,55	16,70	46,80	23,60	229
-17,70	0,0170	-10,80	0,0832	-3,90	0,407	3,00	2,00	9,90	9,77	16,80	47,90	23,70	234
-17,60	0,0174	-10,70	0,0851	-3,80	0,417	3,10	2,04	10,00	10,00	16,90	49,00	23,80	240
-17,50	0,0178	-10,60	0,0871	-3,70	0,427	3,20	2,09	10,10	10,20	17,00	50,10	23,90	245
-17,40	0,0182	-10,50	0,0891	-3,60	0,437	3,30	2,14	10,20	10,50	17,10	51,30	24,00	251
-17,30	0,0186	-10,40	0,0912	-3,50	0,447	3,40	2,19	10,30	10,70	17,20	52,50	24,10	257
-17,20	0,0191	-10,30	0,0933	-3,40	0,457	3,50	2,24	10,40	11,00	17,30	53,70	24,20	263
-17,10	0,0195	-10,20	0,0955	-3,30	0,468	3,60	2,29	10,50	11,20	17,40	55,00	24,30	269
-17,00	0,0200	-10,10	0,0977	-3,20	0,479	3,70	2,34	10,60	11,50	17,50	56,20	24,40	275
-16,90	0,0204	-10,00	0,1000	-3,10	0,490	3,80	2,40	10,70	11,70	17,60	57,50	24,50	282
-16,80	0,0209	-9,90	0,1020	-3,00	0,501	3,90	2,45	10,80	12,00	17,70	58,90	24,60	288
-16,70	0,0214	-9,80	0,1050	-2,90	0,513	4,00	2,51	10,90	12,30	17,80	60,30	24,70	295
-16,60	0,0219	-9,70	0,1070	-2,80	0,525	4,10	2,57	11,00	12,60	17,90	61,70	24,80	302
-16,50	0,0224	-9,60	0,1100	-2,70	0,537	4,20	2,63	11,10	12,90	18,00	63,10	24,90	309
-16,40	0,0229	-9,50	0,1120	-2,60	0,550	4,30	2,69	11,20	13,20	18,10	64,60	25,00	316
-16,30	0,0234	-9,40	0,1150	-2,50	0,562	4,40	2,75	11,30	13,50	18,20	66,10	25,10	324
-16,20	0,0240	-9,30	0,1170	-2,40	0,575	4,50	2,82	11,40	13,80	18,30	67,60	25,20	331
-16,10	0,0245	-9,20	0,1200	-2,30	0,589	4,60	2,88	11,50	14,10	18,40	69,20	25,30	339
-16,00	0,0251	-9,10	0,1230	-2,20	0,603	4,70	2,95	11,60	14,50	18,50	70,80	25,40	347
-15,90	0,0257	-9,00	0,1260	-2,10	0,617	4,80	3,02	11,70	14,80	18,60	72,40	25,50	355
-15,80	0,0263	-8,90	0,1290	-2,00	0,631	4,90	3,09	11,80	15,10	18,70	74,10	25,60	363
-15,70	0,0269	-8,80	0,1320	-1,90	0,646	5,00	3,16	11,90	15,50	18,80	75,90	25,70	372
-15,60	0,0275	-8,70	0,1350	-1,80	0,661	5,10	3,24	12,00	15,80	18,90	77,60	25,80	380
-15,50	0,0282	-8,60	0,1380	-1,70	0,676	5,20	3,31	12,10	16,20	19,00	79,40	25,90	389
-15,40	0,0288	-8,50	0,1410	-1,60	0,692	5,30	3,39	12,20	16,60	19,10	81,30	26,00	398
-15,30	0,0295	-8,40	0,1450	-1,50	0,708	5,40	3,47	12,30	17,00	19,20	83,20	26,10	407
-15,20	0,0302	-8,30	0,1480	-1,40	0,724	5,50	3,55	12,40	17,40	19,30	85,10	26,20	417
-15,10	0,0309	-8,20	0,1510	-1,30	0,741	5,60	3,63	12,50	17,80	19,40	87,10	26,30	427
-15,00	0,0316	-8,10	0,1550	-1,20	0,759	5,70	3,72	12,60	18,20	19,50	89,10	26,40	437
-14,90	0,0324	-8,00	0,1580	-1,10	0,776	5,80	3,80	12,70	18,60	19,60	91,20	26,50	447
-14,80	0,0331	-7,90	0,1620	-1,00	0,794	5,90	3,89	12,80	19,10	19,70	93,30	26,60	457
-14,70	0,0339	-7,80	0,1660	-0,90	0,813	6,00	3,98	12,90	19,50	19,80	95,50	26,70	468
-14,60	0,0347	-7,70	0,1700	-0,80	0,832	6,10	4,07	13,00	20,00	19,90	97,70	26,80	479
-14,50	0,0355	-7,60	0,1740	-0,70	0,851	6,20	4,17	13,10	20,40	20,00	100,00	26,90	490
-14,40	0,0363	-7,50	0,1780	-0,60	0,971	6,30	4,27	13,20	20,90	20,10	102,00	27,00	501
-14,30	0,0372	-7,40	0,1820	-0,50	0,891	6,40	4,37	13,30	21,40	20,20	105,00	27,10	513
-14,20	0,0380	-7,30	0,1860	-0,40	0,912	6,50	4,47	13,40	21,90	20,30	107,00	27,20	525
-14,10	0,0389	-7,20	0,1910	-0,30	0,933	6,60	4,57	13,50	22,40	20,40	110,00	27,30	537
-14,00	0,0398	-7,10	0,1950	-0,20	0,955	6,70	4,68	13,60	22,90	20,50	112,00	27,40	550
-13,90	0,0407	-7,00	0,2000	-0,10	0,977	6,80	4,79	13,70	23,40	20,60	115,00	27,50	562
-13,80	0,0417	-6,90	0,2040	0,00	1,000	6,90	4,90	13,80	24,00	20,70	117,00	27,60	575
-13,70	0,0427	-6,80	0,2090	0,10	1,020	7,00	5,01	13,90	24,50	20,80	120,00	27,70	589
-13,60	0,0437	-6,70	0,2140	0,20	1,050	7,10	5,13	14,00	25,10	20,90	123,00	27,80	603
-13,50	0,0447	-6,60	0,2190	0,30	1,070	7,20	5,25	14,10	25,70	21,00	126,00	27,90	617
-13,40	0,0457	-6,50	0,2240	0,40	1,100	7,30	5,37	14,20	26,30	21,10	129,00	28,00	631
-13,30	0,0468	-6,40	0,2290	0,50	1,120	7,40	5,50	14,30	26,90	21,20	132,00	28,10	646
-13,20	0,0479	-6,30	0,2340	0,60	1,150	7,50	5,62	14,40	27,50	21,30	135,00	28,20	661
-13,10	0,0490	-6,20	0,2400	0,70	1,170	7,60	5,75	14,50	28,20	21,40	138,00	28,30	676
-13,00	0,0501	-6,10	0,2450	0,80	1,200	7,70	5,89	14,60	28,80	21,50	141,00	28,40	692
-12,90	0,0513	-6,00	0,2510	0,90	1,230	7,80	6,03	14,70	29,50	21,60	145,00	28,50	708
-12,80	0,0525	-5,90	0,2570	1,00	1,260	7,90	6,17	14,80	30,20	21,70	148,00	28,60	724
-12,70	0,0537	-5,80	0,2630	1,10	1,290	8,00	6,31	14,90	30,90	21,80	151,00	28,70	741
-12,60	0,0550	-5,70	0,2690	1,20	1,320	8,10	6,46	15,00	31,60	21,90	155,00	28,80	759
-12,50	0,0562	-5,60	0,2750	1,30	1,350	8,20	6,61	15,10	32,40	22,00	158,00	28,90	776
-12,40	0,0575	-5,50	0,2820	1,40	1,380	8,30	6,76	15,20	33,10	22,10	162,00	29,00	794
-12,30	0,0589	-5,40	0,2880	1,50	1,410	8,40	6,92	15,30	33,90	22,20	166,00	29,10	813
-12,20	0,0603	-5,30	0,2950	1,60	1,450	8,50	7,08	15,40	34,70	22,30	170,00	29,20	832
-12,10	0,0617	-5,20	0,3020	1,70	1,480	8,60	7,24	15,50	35,50	22,40	174,00	29,30	851
-12,00	0,0631	-5,10	0,3090	1,80	1,510	8,70	7,41	15,60	36,30	22,50	178,00	29,40	871
-11,90	0,0646	-5,00	0,3160	1,90	1,550	8,80	7,59	15,70	37,20	22,60	182,00	29,50	891
-11,80	0,0661	-4,90	0,3240	2,00	1,580	8,90	7,76	15,80	38,00	22,70	186,00	29,60	912
-11,70	0,0676	-4,80	0,3310	2,10	1,620	9,00	7,94	15,90	38,90	22,80	191,00	29,70	933
-11,60	0,0692	-4,70	0,3390	2,20	1,660	9,10	8,13	16,00	39,80	22,90	195,00	29,80	955
-11,50	0,0708	-4,60	0,3470	2,30	1,700	9,20	8,32	16,10	40,70	23,00	200,00	29,90	977
-11,40	0,0724	-4,50	0,3550	2,40	1,740	9,30	8,51	16,20	41,70	23,10	204,00	30,00	1000
-11,30	0,0741	-4,40	0,3630	2,50	1,780	9,40	8,71	16,30	42,70	23,20	209,00		
-11,20	0,0759	-4,30	0,3720	2,60	1,820	9,50	8,91	16,40	43,70	23,30	214,00		

## Conversion table dBm watt

dBm	watt	dBm	watt	dBm	watt	dBm	watt	dBm	watt	dBm	watt	dBm	watt
30,10	1,02	35,90	3,89	41,70	14,80	47,50	56,20	53,30	214,00	59,10	813,00	64,90	3090
30,20	1,05	36,00	3,98	41,80	15,10	47,60	57,50	53,40	219,00	59,20	832,00	65,00	3160
30,30	1,07	36,10	4,07	41,90	15,50	47,70	58,90	53,50	224,00	59,30	851,00	65,10	3240
30,40	1,10	36,20	4,17	42,00	15,80	47,80	60,30	53,60	229,00	59,40	871,00	65,20	3310
30,50	1,12	36,30	4,27	42,10	16,20	47,90	61,70	53,70	234,00	59,50	891,00	65,30	3390
30,60	1,15	36,40	4,37	42,20	16,60	48,00	63,10	53,80	240,00	59,60	912,00	65,40	3470
30,70	1,17	36,50	4,47	42,30	17,00	48,10	64,60	53,90	245,00	59,70	933,00	65,50	3550
30,80	1,20	36,60	4,57	42,40	17,40	48,20	66,10	54,00	251,00	59,80	955,00	65,60	3630
30,90	1,23	36,70	4,68	42,50	17,80	48,30	67,60	54,10	257,00	59,90	977,00	65,70	3720
31,00	1,26	36,80	4,79	42,60	18,20	48,40	69,20	54,20	263,00	60,00	1000,00	65,80	3800
31,10	1,29	36,90	4,90	42,70	18,60	48,50	70,80	54,30	269,00	60,10	1020,00	65,90	3890
31,20	1,32	37,00	5,01	42,80	19,10	48,60	72,40	54,50	275,00	60,20	1050,00	66,00	3980
31,30	1,35	37,10	5,13	42,90	19,50	48,70	74,10	54,50	282,00	60,30	1070,00	66,10	4070
31,40	1,38	37,20	5,25	43,00	20,00	48,80	75,90	54,60	288,00	60,40	1100,00	66,20	4170
31,50	1,41	37,30	5,37	43,10	20,40	48,90	77,60	54,70	295,00	60,50	1120,00	66,30	4270
31,60	1,45	37,40	5,50	43,20	20,90	49,00	79,40	54,80	302,00	60,60	1150,00	66,40	4370
31,70	1,48	37,50	5,62	43,30	21,40	49,10	81,30	54,90	309,00	60,70	1170,00	66,50	4470
31,80	1,51	37,60	5,75	43,40	21,90	49,20	83,20	55,00	316,00	60,80	1200,00	66,60	4570
31,90	1,55	37,70	5,89	43,50	22,40	49,30	85,10	55,10	324,00	60,90	1230,00	66,70	4680
32,00	1,58	37,80	6,03	43,60	22,90	49,40	87,10	55,20	331,00	61,00	1260,00	66,80	4790
32,10	1,62	37,90	6,17	43,70	23,40	49,50	89,10	55,30	339,00	61,10	1290,00	66,90	4900
32,20	1,66	38,00	6,31	43,80	24,00	49,60	91,20	55,40	347,00	61,20	1320,00	67,00	5010
32,30	1,70	38,10	6,46	43,90	24,50	49,70	93,30	55,50	355,00	61,30	1350,00	67,10	5130
32,40	1,74	38,20	6,61	44,00	25,10	49,80	95,50	55,60	363,00	61,40	1380,00	67,20	5250
32,50	1,78	38,30	6,76	44,10	25,70	49,90	97,70	55,70	372,00	61,50	1410,00	67,30	5370
32,60	1,82	38,40	6,92	44,20	26,30	50,00	100,00	55,80	380,00	61,60	1450,00	67,40	5500
32,70	1,86	38,50	7,08	44,30	26,90	50,10	102,00	55,90	389,00	61,70	1480,00	67,50	5620
32,80	1,91	38,60	7,24	44,40	27,50	50,20	105,00	56,00	398,00	61,80	1510,00	67,60	5750
32,90	1,95	38,70	7,41	44,50	28,20	50,30	107,00	56,10	407,00	61,90	1550,00	67,70	5890
33,00	2,00	38,80	7,59	44,60	28,80	50,40	110,00	56,20	417,00	62,00	1580,00	67,80	6030
33,10	2,04	38,90	7,76	44,70	29,50	50,50	112,00	56,30	427,00	62,10	1620,00	67,90	6170
33,20	2,09	39,00	7,94	44,80	30,20	50,60	115,00	56,40	437,00	62,20	1660,00	68,00	6310
33,30	2,14	39,10	8,13	44,90	30,90	50,70	117,00	56,50	447,00	62,30	1700,00	68,10	6460
33,40	2,19	39,20	8,32	45,00	31,60	50,80	120,00	56,60	457,00	62,40	1740,00	68,20	6610
33,50	2,24	39,30	8,51	45,10	32,40	50,90	123,00	56,70	468,00	62,50	1780,00	68,30	6760
33,60	2,29	39,40	8,71	45,20	33,10	51,00	126,00	56,80	479,00	62,60	1820,00	68,40	6920
33,70	2,34	39,50	8,91	45,30	33,90	51,10	129,00	56,90	490,00	62,70	1860,00	68,50	7080
33,80	2,40	39,60	9,12	45,40	37,70	51,20	132,00	57,00	501,00	62,80	1910,00	68,60	7240
33,90	2,45	39,70	9,33	45,60	35,50	51,30	135,00	57,10	513,00	62,90	1950,00	68,70	7410
34,00	2,51	39,80	9,55	45,60	36,30	51,40	138,00	57,20	525,00	63,00	2000,00	68,80	7590
34,10	2,57	39,90	9,77	45,70	37,20	51,50	141,00	57,30	537,00	63,10	2040,00	68,90	7760
34,20	2,63	40,00	10,00	45,80	38,00	51,60	145,00	57,40	550,00	63,20	2090,00	69,00	7940
34,30	2,69	40,10	10,20	45,90	38,90	51,70	148,00	57,50	562,00	63,30	2140,00	69,10	8130
34,40	2,75	40,20	10,50	46,00	39,80	51,80	151,00	57,60	575,00	63,40	2190,00	69,20	8320
34,50	2,82	40,30	10,70	46,10	40,70	51,90	155,00	57,70	589,00	63,50	2240,00	69,30	8510
34,60	2,88	40,40	11,00	46,20	41,70	52,00	158,00	57,80	603,00	63,60	2290,00	69,40	8710
34,70	2,95	40,50	11,20	46,30	42,70	52,10	162,00	57,90	617,00	63,70	2340,00	69,50	8910
34,80	3,02	40,60	11,50	46,40	43,70	52,20	166,00	58,00	631,00	63,80	2400,00	69,60	9120
34,90	3,09	40,70	11,70	46,50	44,70	52,30	170,00	58,10	646,00	63,90	2450,00	69,70	9330
35,00	3,16	40,80	12,00	46,60	45,70	52,40	174,00	58,20	661,00	64,00	2510,00	69,80	9550
35,10	3,24	40,90	12,30	46,70	46,80	52,50	178,00	58,30	676,00	64,10	2570,00	69,90	9770
35,20	3,31	41,00	12,60	46,80	47,90	52,60	182,00	58,40	692,00	64,20	2630,00	70,00	10000
35,30	3,39	41,10	12,90	46,90	49,00	52,70	186,00	58,50	708,00	64,30	2690,00		
35,40	3,47	41,20	13,20	47,00	51,10	52,80	191,00	58,60	724,00	64,40	2750,00		
35,50	3,55	41,30	13,50	47,10	51,30	52,90	195,00	58,70	741,00	64,50	2820,00		
35,60	3,63	41,40	13,80	47,20	52,50	53,00	200,00	58,80	759,00	64,60	2880,00		
35,70	3,72	41,50	14,10	47,30	53,70	53,10	204,00	58,90	776,00	64,70	2950,00		
35,80	3,80	41,60	14,50	47,40	55,00	53,20	209,00	59,00	794,00	64,80	3020,00		



Conversion table R.L. --> V.S.W.R.

R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R
0,50	34,753	13,40	1,544	18,70	1,263	24,00	1,135	29,30	1,071
1,00	17,391	13,50	1,536	18,80	1,259	24,10	1,133	29,40	1,070
1,50	11,610	13,60	1,528	18,90	1,256	24,20	1,131	29,50	1,069
2,00	8,724	13,70	1,521	19,00	1,253	24,30	1,130	29,60	1,068
2,50	6,997	13,80	1,513	19,10	1,250	24,40	1,128	29,70	1,068
3,00	5,848	13,90	1,506	19,20	1,246	24,50	1,127	29,80	1,067
3,50	5,030	14,00	1,499	19,30	1,243	24,60	1,125	29,90	1,066
4,00	4,419	14,10	1,491	19,40	1,240	24,70	1,124	30,00	1,065
4,50	3,946	14,20	1,484	19,50	1,237	24,80	1,122	30,20	1,064
5,00	3,570	14,30	1,478	19,60	1,234	24,90	1,121	30,40	1,063
5,50	3,263	14,40	1,471	19,70	1,231	25,00	1,119	30,60	1,062
6,00	3,010	14,50	1,464	19,80	1,228	25,10	1,118	30,80	1,060
6,50	2,796	14,60	1,458	19,90	1,225	25,20	1,116	31,00	1,059
7,00	2,615	14,70	1,451	20,00	1,222	25,30	1,115	31,20	1,057
7,50	2,458	14,80	1,445	20,10	1,219	25,40	1,114	31,40	1,056
8,00	2,323	14,90	1,439	20,20	1,217	25,50	1,112	31,60	1,055
8,50	2,204	15,00	1,433	20,30	1,214	25,60	1,111	31,80	1,053
9,00	2,100	15,10	1,427	20,40	1,211	25,70	1,109	32,00	1,052
9,50	2,007	15,20	1,421	20,50	1,208	25,80	1,108	32,20	1,051
10,00	1,925	15,30	1,415	20,60	1,206	25,90	1,107	32,40	1,050
10,10	1,910	15,40	1,409	20,70	1,203	26,00	1,106	32,60	1,049
10,20	1,894	15,50	1,404	20,80	1,201	26,10	1,104	32,80	1,047
10,30	1,880	15,60	1,398	20,90	1,198	26,20	1,103	33,00	1,046
10,40	1,865	15,70	1,393	21,00	1,196	26,30	1,102	33,50	1,044
10,50	1,851	15,80	1,387	21,10	1,193	26,40	1,101	34,00	1,041
10,60	1,837	15,90	1,382	21,20	1,191	26,50	1,099	34,50	1,039
10,70	1,824	16,00	1,377	21,30	1,188	26,60	1,098	35,00	1,036
10,80	1,811	16,10	1,372	21,40	1,186	26,70	1,097	35,50	1,034
10,90	1,798	16,20	1,367	21,50	1,184	26,80	1,096	36,00	1,032
11,00	1,785	16,30	1,362	21,60	1,181	26,90	1,095	36,50	1,030
11,10	1,772	16,40	1,357	21,70	1,179	27,00	1,094	37,00	1,029
11,20	1,760	16,50	1,352	21,80	1,177	27,10	1,093	37,50	1,027
11,30	1,748	16,60	1,347	21,90	1,175	27,20	1,092	38,00	1,025
11,40	1,737	16,70	1,343	22,00	1,173	27,30	1,091	38,50	1,024
11,50	1,725	16,80	1,338	22,10	1,170	27,40	1,090	39,00	1,023
11,60	1,714	16,90	1,333	22,20	1,168	27,50	1,089	39,50	1,021
11,70	1,703	17,00	1,329	22,30	1,166	27,60	1,088	40,00	1,020
11,80	1,692	17,10	1,325	22,40	1,164	27,70	1,087	40,50	1,019
11,90	1,681	17,20	1,310	22,50	1,162	27,80	1,086	41,00	1,018
12,00	1,671	17,30	1,316	22,60	1,160	27,90	1,085	41,50	1,017
12,10	1,661	17,40	1,312	22,70	1,158	28,00	1,084	42,00	1,016
12,20	1,651	17,50	1,308	22,80	1,156	28,10	1,083	42,50	1,015
12,30	1,641	17,60	1,304	22,90	1,154	28,20	1,082	43,00	1,014
12,40	1,631	17,70	1,300	23,00	1,152	28,30	1,081	43,50	1,013
12,50	1,622	17,80	1,296	23,10	1,151	28,40	1,080	44,00	1,013
12,60	1,612	17,90	1,292	23,20	1,149	28,50	1,079	44,50	1,012
12,70	1,603	18,00	1,288	23,30	1,147	28,60	1,078	45,00	1,011
12,80	1,594	18,10	1,284	23,40	1,145	28,70	1,077	46,00	1,010
12,90	1,586	18,20	1,281	23,50	1,143	28,80	1,076	47,00	1,009
13,00	1,577	18,30	1,277	23,60	1,141	28,90	1,075	48,00	1,008
13,10	1,568	18,40	1,273	23,70	1,140	29,00	1,074	49,00	1,007
13,20	1,560	18,50	1,270	23,80	1,138	29,10	1,073	50,00	1,006
13,30	1,552	18,60	1,266	23,90	1,136	29,20	1,072	60,00	1,002

$$V.S.W.R. = \frac{10^{\frac{R.L}{20}} + 1}{10^{\frac{R.L}{20}} - 1}$$

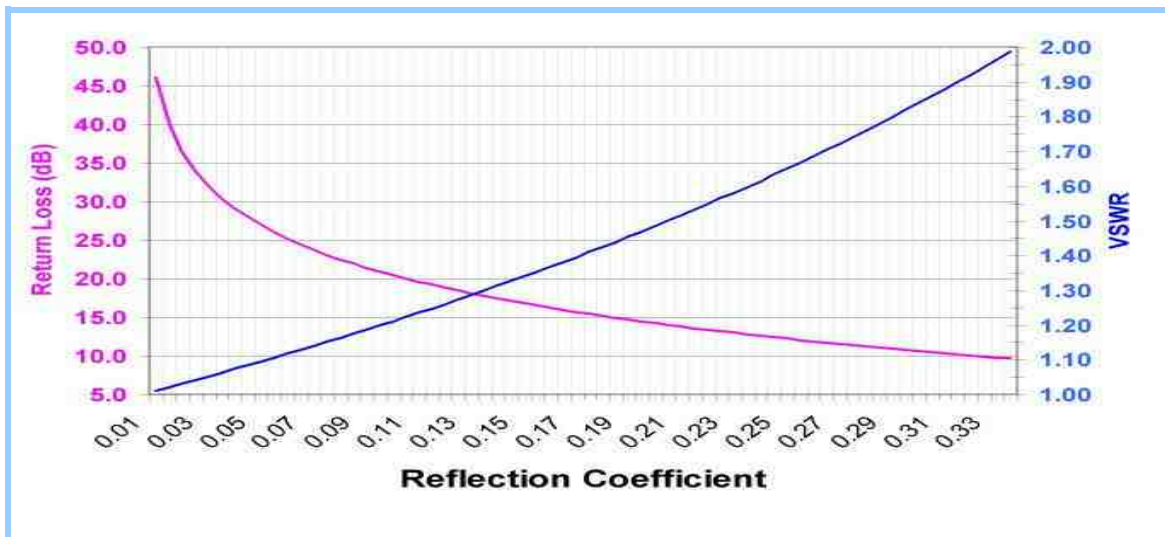
$$R.L. = 20 \log_{10} \frac{V.S.W.R. + 1}{V.S.W.R. - 1}$$

● R.L.: Return Loss (dB)

● V.S.W.R.: Voltage Standing Wave Ratio

### Conversion table V.S.W.R --> R.L.

V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)
1,005	52,063	1,205	20,633	1,405	15,473	1,605	12,681	1,805	10,843
1,010	46,064	1,210	20,443	1,410	15,385	1,610	12,626	1,810	10,804
1,015	42,564	1,215	20,259	1,415	15,297	1,615	12,572	1,815	10,766
1,020	40,086	1,220	20,079	1,420	15,211	1,620	12,518	1,820	10,729
1,025	38,170	1,225	19,903	1,425	15,126	1,625	12,465	1,825	10,691
1,030	36,607	1,230	19,732	1,430	15,043	1,630	12,412	1,830	10,654
1,035	35,290	1,235	19,564	1,435	14,960	1,635	12,360	1,835	10,617
1,040	34,151	1,240	19,401	1,440	14,879	1,640	12,308	1,840	10,581
1,045	33,150	1,245	19,241	1,445	14,798	1,645	12,257	1,845	10,545
1,050	32,256	1,250	19,085	1,450	14,719	1,650	12,207	1,850	10,509
1,055	31,449	1,255	18,932	1,455	14,640	1,655	12,157	1,855	10,473
1,060	30,714	1,260	18,783	1,460	14,564	1,660	12,107	1,860	10,437
1,065	30,040	1,265	18,636	1,465	14,487	1,665	12,058	1,865	10,402
1,070	29,417	1,270	18,493	1,470	14,412	1,670	12,009	1,870	10,367
1,075	28,839	1,275	18,353	1,475	14,338	1,675	11,960	1,875	10,333
1,080	28,299	1,280	18,216	1,480	14,264	1,680	11,913	1,880	10,298
1,085	27,794	1,285	18,081	1,485	14,192	1,685	11,865	1,885	10,264
1,090	27,318	1,290	17,949	1,490	14,120	1,690	11,818	1,890	10,230
1,095	26,869	1,295	17,819	1,495	14,049	1,695	11,772	1,895	10,197
1,100	26,444	1,300	17,692	1,500	13,979	1,700	11,725	1,900	10,163
1,105	26,041	1,305	11,567	1,505	13,910	1,705	11,680	1,905	10,130
1,110	25,658	1,310	17,445	1,510	13,842	1,710	11,634	1,910	10,097
1,115	25,292	1,315	17,325	1,515	13,775	1,715	11,589	1,915	10,064
1,120	24,943	1,320	17,207	1,520	13,708	1,720	11,545	1,920	10,032
1,125	24,609	1,325	17,091	1,525	13,642	1,725	11,501	1,925	10,000
1,130	24,289	1,330	16,977	1,530	13,577	1,730	11,457	2,000	9,542
1,135	23,981	1,335	16,865	1,535	13,513	1,735	11,413	2,100	8,999
1,140	23,686	1,340	16,755	1,540	13,449	1,740	11,370	2,200	8,519
1,145	23,401	1,345	16,647	1,545	13,386	1,745	11,328	2,300	8,091
1,150	23,127	1,350	16,540	1,550	13,324	1,750	11,285	2,400	7,707
1,155	22,862	1,355	16,435	1,555	13,262	1,755	11,244	2,500	7,360
1,160	22,607	1,360	16,332	1,560	13,201	1,760	11,202	2,600	7,044
1,165	22,360	1,365	16,231	1,565	13,141	1,765	11,161	2,700	6,755
1,170	22,120	1,370	16,131	1,570	13,081	1,770	11,120	2,800	6,490
1,175	21,888	1,375	16,033	1,575	13,022	1,775	11,079	2,900	6,246
1,180	21,664	1,380	15,936	1,580	12,964	1,780	11,039	3,000	6,021
1,185	21,446	1,385	15,841	1,585	12,906	1,785	10,999	3,500	5,105
1,190	21,234	1,390	15,747	1,590	12,849	1,790	10,960	4,000	4,437
1,195	21,028	1,395	15,654	1,595	12,792	1,795	10,920	4,500	3,926
1,200	20,828	1,400	15,563	1,600	12,736	1,800	10,881	5,000	3,522



## SOME NOTES ON THE MEASURES OF R.L. / I.L.

### MEASUREMENT OF REFLECTION LOSS (R.L.)

The measure R.L. is based on the relationship between incident and reflected signal, a typical work station, is described in Fig. 1. The R.F. output from the generator is sent to a power splitter which is drawn from a portion of the signal analyzer and sent at R scale, this signal is used to control the level and stability of the same. Subsequently R.F. is sent to a dual directional coupler (bridge) that separates the incident signal from the reflection. A crystal detector (inside, if you use the bridge) converts the R.F. in signal video and sends it into the Network Analyzer that show entities of the reflected signal.

The measurement can be divided in two phases:

- a) calibration: it provides a reference line on the screen of the analyzer with an impedance know, to establish a reference zero dB reflection loss.
- b) measure: after calibration, is placed the device under test (DUT), the level change in dB represents the reflection loss (RL) of the DUT.

### MEASUREMENT OF INSERTION LOSS (I.L.)

Insertion loss is based on measuring the relationship between the incident and transmitted signal, a typical work station is described in Fig. 1. The crystal detector connect to B scale transform the RF analyzer in video signal analyzer quantify and display the broadcast signal,

in this case the measure can be divided in two phases: a) calibration: it establishes as preceding paragraph, a reference line at zero dB without the device trial.

- b) measure: after calibration you insert the device under test (DUT), the level change in dB is the Insertion Loss of the DUT.

# SCALAR NETWORK ANALYZER FOR COAXIAL CABLES MEASUREMENT OF INSERTION LOSS AND REFLECTION LOSS (I.L/R.L)

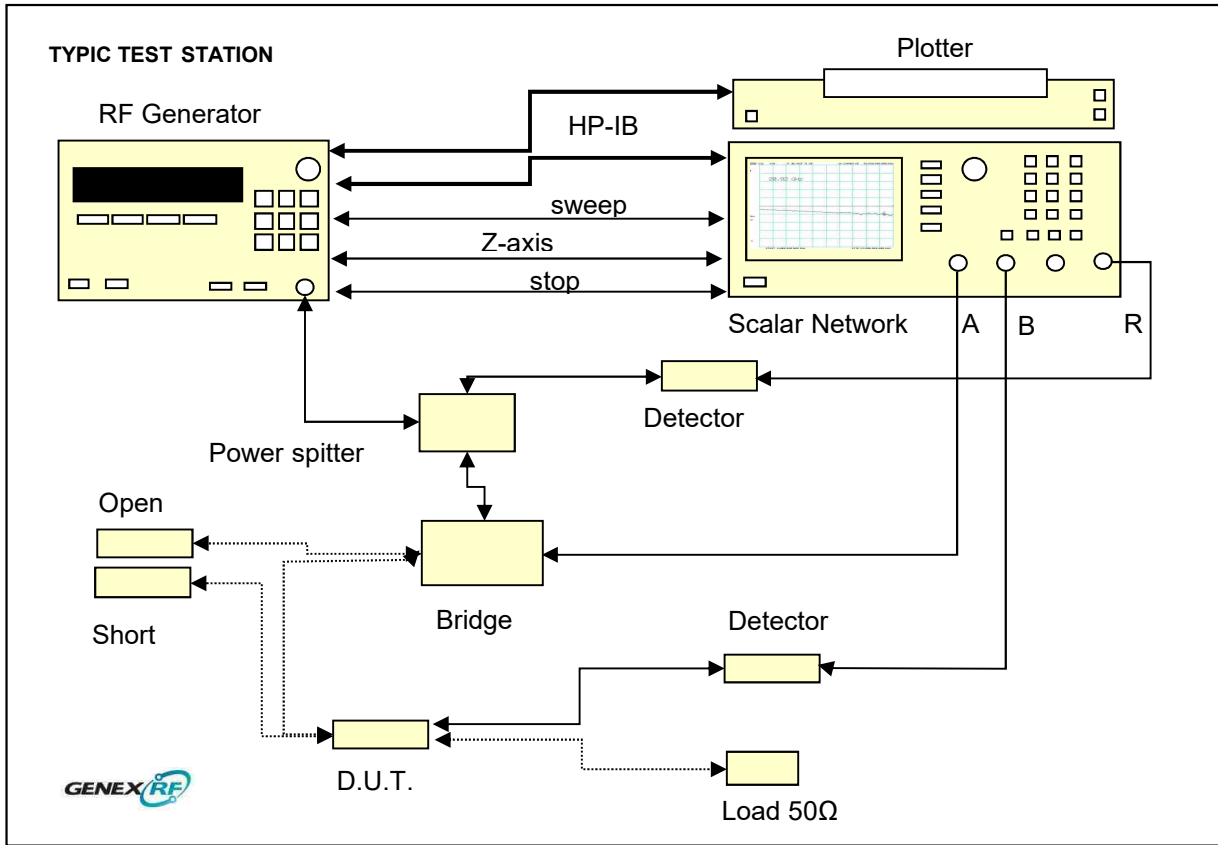
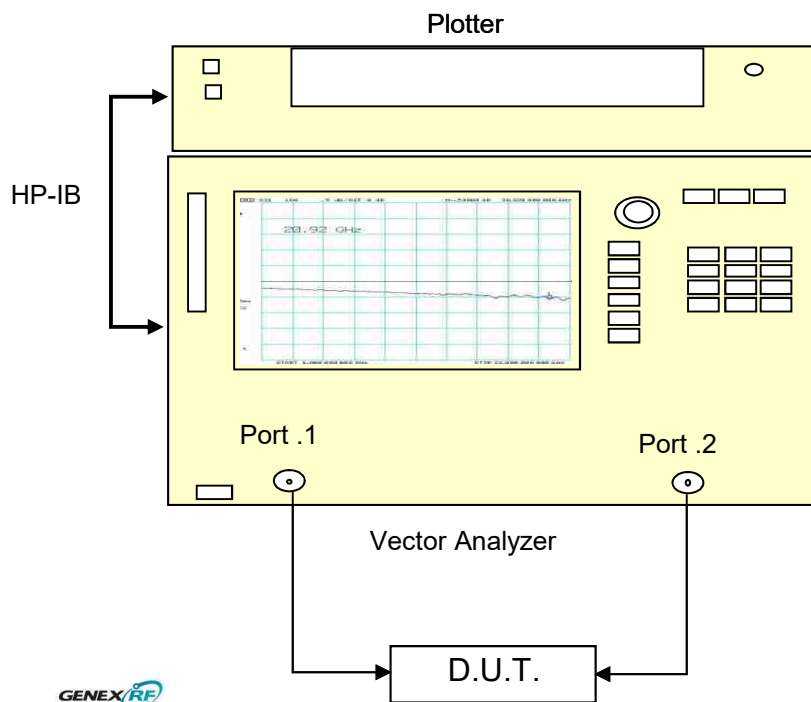
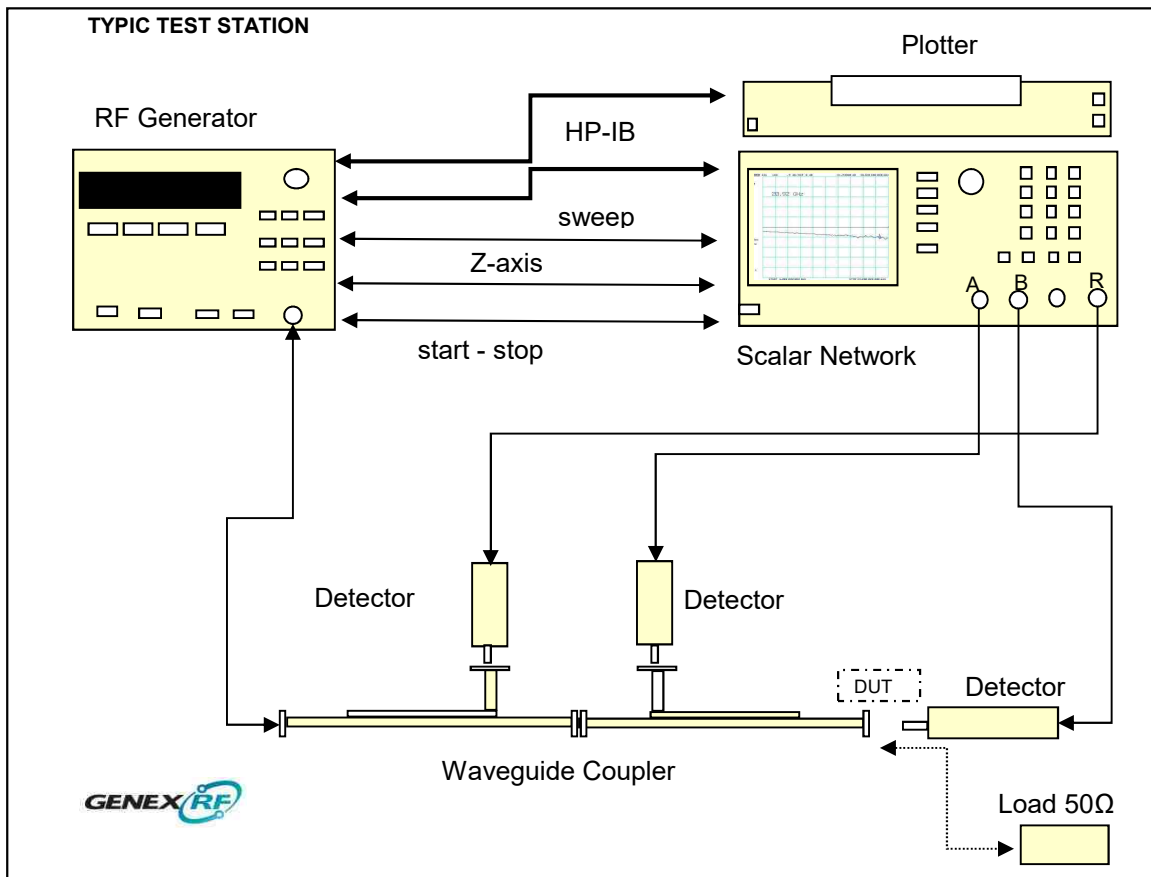


Fig. 1

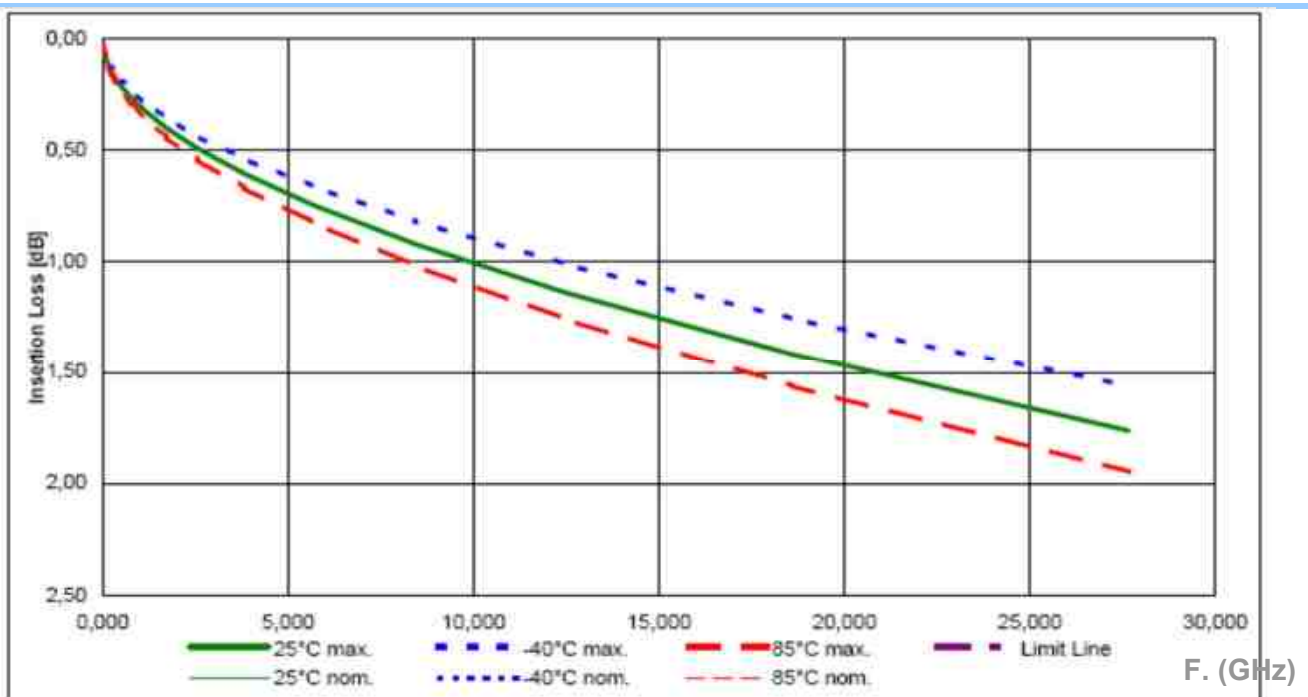
# VECTORIAL NETWORK ANALYZER FOR COAXIAL CABLES MEASUREMENT OF INSERTION LOSS AND REFLECTION LOSS (I.L/R.L)



# SCALAR NETWORK ANALYZER FOR WAVEGUIDE MEASUREMENT OF INSERTION LOSS AND REFLECTION LOSS (I.L/R.L)



## INSERTION LOSS VARIATION DEPENDING ON TEMPERATURE





## FREQUENCY BAND

Band	Frequency
HF	..... 3 ÷ 30 MHz
VHF	.....30 ÷ 300 MHz
UHF	.....300÷1000 MHz
L	.....1÷2 GHz
S	.....2÷4 GHz
C	.....4÷8 GHz
X	.....8÷12 GHz
Ku	.....12÷18 GHz
K	.....18÷26,5 GHz
Ka	.....26,5÷40 GHz
V	.....40÷75 GHz
W	.....75÷110 GHz
mm	.....110÷300 GHz
u mm	.....300÷3000 GHz

## MULTIPLE FREQUENCIES

Hz	( hertz )	1 Hz
KHz	( kilohertz )	1.000 Hz
MHz	( megahertz )	1.000.000 Hz
GHz	( gigahertz )	1.000.000.000 Hz
THz	( terahertz )	1.000.000.000.000 Hz

## INTERNATIONAL PREFIX SYSTEM

$10^n$	Prefix	Symbol	Name	Decimal equivalent
$10^{24}$	yotta	Y		1.000.000.000.000.000.000.000.000
$10^{21}$	zetta	Z		1.000.000.000.000.000.000.000.000
$10^{18}$	exa	E		1.000.000.000.000.000.000.000
$10^{15}$	peta	P		1.000.000.000.000.000.000
$10^{12}$	tera	T		1.000.000.000.000.000
$10^9$	giga	G		1.000.000.000
$10^6$	mega	M		1.000.000
$10^3$	kilo o chilo	k		1.000
$10^2$	etto	h		100
10	deca	da		10
$10^{-1}$	deci	d		0,1
$10^{-2}$	centi	c		0,01
$10^{-3}$	milli	m		0,001
$10^{-6}$	micro	$\mu$		0,000 001
$10^{-9}$	nano	n		0,000 000 001
$10^{-12}$	pico	p		0,000 000 000 001
$10^{-15}$	femto	f		0,000 000 000 000 001
$10^{-18}$	atto	a		0,000 000 000 000 000 001
$10^{-21}$	zepto	z		0,000 000 000 000 000 000 001
$10^{-24}$	yocto	y		0,000 000 000 000 000 000 000 001

# COAXIAL CONNECTORS



# COAXIAL CONNECTORS

## (features, stories and curiosities)

NAME	Name meaning (inventor)	Max Freq. typical	Z ( $\Omega$ )	APPLICATION
BMA	Blin Mate	22 GHz	50 $\Omega$	It has used for special application as automatic test where the connection hasn't made screwing the connector but by engage clip restraint, preserving an excellent reliability also high frequency. It's used in avionic, civil and military applications.
SBMA	Small B. M.			
OSP OSSP	MaCom			
BNC	Bayonet Navy Conn. o Bayonet Neil Concelman ( inventor )	1 GHz max	50 $\Omega$ 75 $\Omega$	Excellent low ROS connector, involved in the forties for militar aims. The frequency restriction has have to the uncertain contact of the inside pin and the mass (cause the bayonet coupling), but the impedance is effective till nearly 10 GHz with an optimal ROS.
N	Navy oppure Paul Neill Bell Lab. ( inventor )		50 $\Omega$ 75 $\Omega$	Born in the forties for militar system until 4 GHz. It was the first connector with the capacity to operate microonde, owing it has improved to the employment until 12 GHz or special until 18 GHz, it's a connector with a great success for any kind of application, indoor and outdoor use.
MCX	Micro Coax	6 - 8 GHz	50 $\Omega$	With pressure connection, MCX has been exchange with very similar SMB type, for indoor use. The MMCX has an excellent behaviour until 8 GHz.
MMCX	miniatura MCX			
SMA	Sub Miniature tipo : A,B,C,S,Z	18 GHz	50 $\Omega$	Developed by Bendix in the beginning it has called 3 mm, it's certainly the connector with wider success in the microonde. There are a lot of type and version, even until 26 GHz with special model, compatible with 3,5 and K connectors.
OSM				
SMB		4 GHz	50 $\Omega$	C = screw retain, B = catch retain
SMC		8 GHz	50 $\Omega$	Very similar between theirs, they are used mainly for indoor use and in restricted area.
SMS		4 GHz	50 $\Omega$	With sliding retain, they are used very little and there isn't standard specification
SMZ		1 GHz	75 $\Omega$	These are often employment in the IF of radio bridge, now they're out of use
SSMA			35 GHz	50 $\Omega$
SSMB		4 GHz	50 $\Omega$	It's lightly smaller than SMB type.
C	Concelman ( inventor )	11 GHz	50 $\Omega$	Bigger version of BNC type with bayonet coupling and similar dimension of the N one, it's born for militar aims, now it's used just a little.

# COAXIAL CONNECTORS

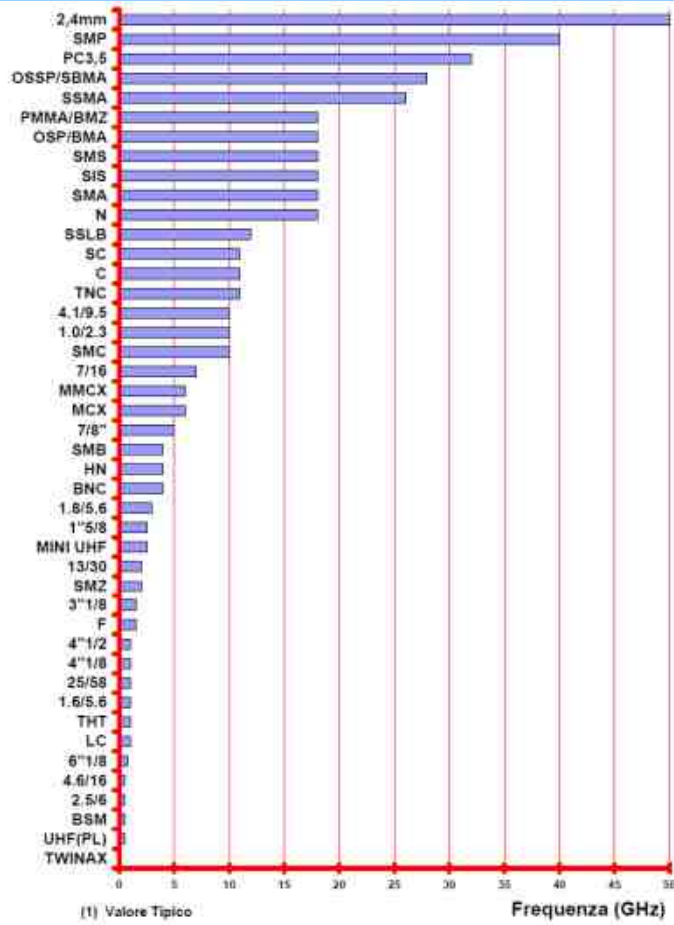
## (features, stories and curiosities)

NAME	Name meaning (inventor)	Max Freq. typical	Z ( $\Omega$ )	APPLICATION
APC7		18 GHz	50 $\Omega$	Developed in '60 years, its only particular is sexless, join without penetration but front contact of the internal pin.
PC7				
7mm				
HN		4 GHz	50 $\Omega$	It's like an for high voltage for indoor and military use.
SC		11 GHz	50 $\Omega$	
SHV	Safe High voltage		50 $\Omega$	Bayonet coupling, high voltage 5 Kv dc
TNC	Threaded N.Concelman	11 - 12 GHz	50 $\Omega$ 75 $\Omega$	Is one of the best and combines the good qualities in frequency with the small size of BNC. Refined and precise project.
UHF		200 - 300 MHz	TBD	Developed by Amphenol for radio frequency use. Maybe it was the first standard connector for RF.
1.0 - 2.3		10 GHz	50 $\Omega$	Pressure connection, telecommunication use, small size and low cost.
1.6 - 5.6		1 GHz	75 $\Omega$	Pressure connection, telecommunication use.
7 - 16		5 - 7 GHz	60 $\Omega$	Born in Europe for power broadcast applications, outdoor use. It's used for radio base station.
4.6 -16		500 MHz	75 $\Omega$	
4.1 -9.5		10 GHz	50 $\Omega$	It's like an 7/16, with small size but its use is limited.
LC		1 GHz	50 $\Omega$	Large size for high power, replaced by 7/16 for military use.
1 mm		110 GHz	50 $\Omega$	Developed by Agilent late '80 years.
V		65 GHz	50 $\Omega$	Developed by Wiltron '80 years.
1.85 mm		65 GHz	50 $\Omega$	Developed by HP '80 years.
2.4 mm		50 GHz	50 $\Omega$	HP - Amphenol
OS-2.4		50 GHz	50 $\Omega$	OS = Omni Spectra now MaCom.
2.92 mm		40 - 46 GHz	50 $\Omega$	Generic name, show the same product called K only by Wiltron ( or SMK).
K			50 $\Omega$	
3.5 mm		32 GHz	50 $\Omega$	Developed in first time by HP, widely used instead SMA when is necessary the best operation over 18 GHz.
Flange EIA		2.5 GHz	50 $\Omega$	Large dimensions for high power since 7/8" to 6" always used with pressurized cables.



# GENERAL INFORMATION COAXIAL CONNECTORS

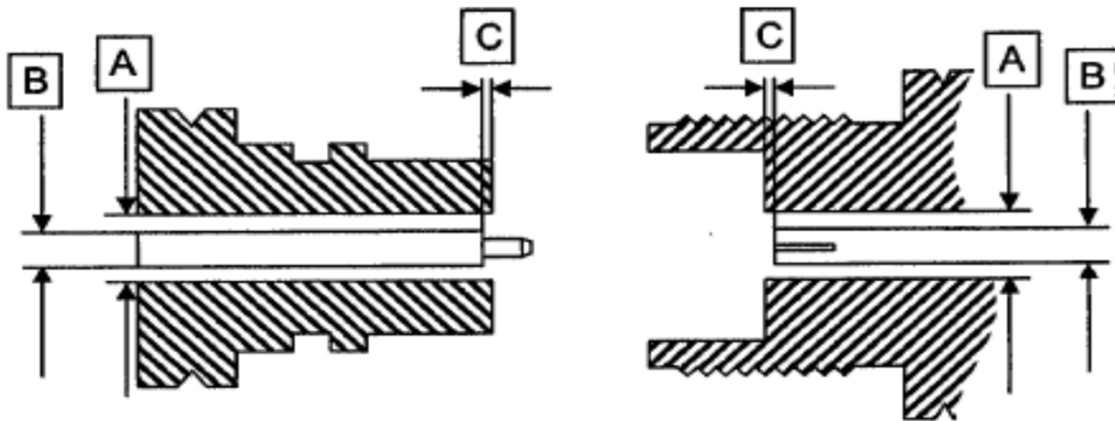
Connector series	Frequency range	Impedance			Mechanical coupling			
		50Ω	75Ω	95Ω	Bayonet	Screw	Snap-on	EIA flange
BNC	DC / 4 GHz	●			●			
BNC	DC / 1 GHz		●		●			
BNC R.P.	DC / 4 GHz	●			●			
TNC	DC / 11 GHz	●				●		
TNC	DC / 1 GHz		●			●		
TNC R.P.	DC / 11 GHz	●				●		
N	DC / 18 GHz	●				●	●	
N	DC / 1.5 GHz		●			●	●	
C	DC / 11 GHz	●			●			
SC	DC / 11 GHz	●				●		
SMA	DC / 18 GHz	●				●		
SMA R.P.	DC / 18 GHz	●				●		
SSMA	DC / 26 GHz	●				●		
PC3.5	DC / 32 GHz	●				●		
SIS	DC / 18 GHz	●					●	
SMS	DC / 18 GHz	●					●	
SMP	DC / 40 GHz	●					●	
SMC	DC / 10 GHz	●				●		
SMZ	DC / 2 GHz		●			●	●	
SMB	DC / 4 GHz	●					●	
SSMB	DC / 12 GHz	●					●	
SSLB	DC / 12 GHz	●					●	
MCX	DC / 6 GHz	●	●				●	
MMCX	DC / 12 GHz	●					●	
OSP/BMA	DC / 22 GHz	●					●	
OSSP	DC / 28 GHz	●					●	
PMMA/BMZ	DC / 18 GHz	●					●	
BSM	DC / 500 MHz			●	●			
F	DC / 1 GHz		●			●		
UHF(PL)	DC / 300 MHz	●	●			●		
MINI UHF	DC / 2.5 GHz	●				●		
HN	DC / 3 GHz	●				●		
TWINAX	DC / 200 MHz			●		●		
LC	DC / 1 GHz	●				●		
THT	DC / 1 GHz	●				●		
1.0/2.3	DC / 10 GHz	●				●	●	
1.6/5.6	DC / 1 GHz		●			●	●	
1.8/5.6	DC / 2 GHz	●				●	●	
25/58	DC / 1 GHz	●				●		
2.5/6	DC / 500 MHz		●			●		
4.1/9.5	DC / 10 GHz	●				●		
4.6/16	DC / 500 MHz		●			●		
DIN 7/16	DC / 7 GHz	●				●		
13/30	DC / 2 GHz	●				●		
EIA 7/8"	DC / 5 GHz	●						●
EIA 1"5/8	DC / 2.5 GHz	●						●
EIA 3"1/8	DC / 1 GHz	●						●
EIA 4"1/8	DC / 1 GHz	●						●
EIA 4"1/2	DC / 1 GHz	●						●
EIA 6"1/8	DC / 860 MHz	●						●



Typical Value

Frequency

# MECHANICAL COMPATIBILITY BETWEEN CONNECTORS



**A = OUTER DIAMETER OF CENTRAL CONDUCTOR**

**B = INNER DIAMETER OF CENTRAL CONDUCTOR**

The inner conductor ( $\emptyset$ ) in reference to the center conductor ( $\emptyset$ ), and electric characteristics of dielectric, fix the max frequency operation of connector and the impedance. So many name of connectors, derive from dimension of diameter of inner and outer conductor.

**C = TOLERANCE BETWEEN CENTRAL CONDUCTOR AND CONDUCTOR BODY**

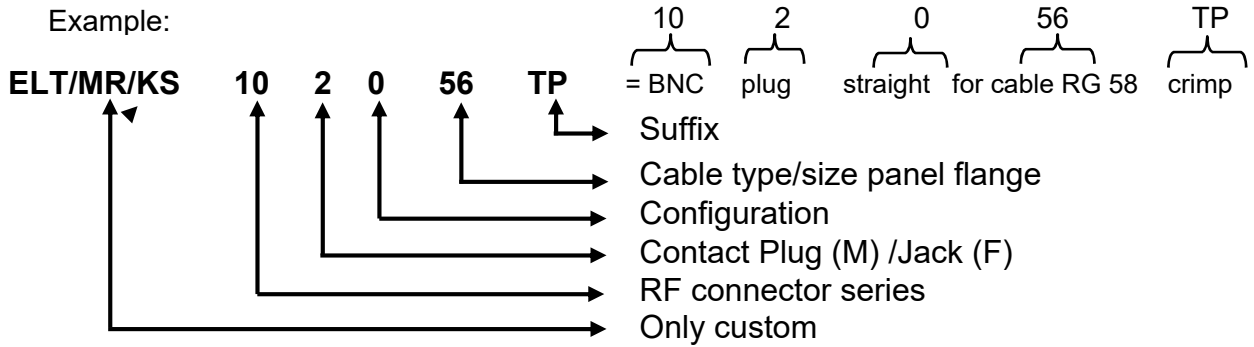
Is important ensure that this length is within in specified tolerance for every type of connector. If you connect a type of connector with an excess of central contact, you damage his interface and internal mechanical of the systems. You consider these mechanical restrictions before use the connector and check its mechanical compatibility as the table below.

	SMA <sup>(*)</sup>	3.5 mm	2.92mm	K	2.4 mm
SMA <sup>(*)</sup>	●	●	●	●	
3.5 mm	●	●	●	●	
2.92mm	●	●	●	●	
K	●	●	●	●	
2.4 mm					●

\* Attention to the connection of SMA connectors with PC 3,5, 2,92 mm and K precision connectors, especially females, because the latter, can be easily damaged.



# PART NUMBER GENEX RF COAXIAL CONNECTORS



## CONNECTORS SERIES

07	SMA REVERSE POLARITY	63	25/58
08	TNC REVERSE POLARITY	66	2.5/6
09	BNC REVERSE POLARITY	68	4.1/9.5
10	BNC	69	4.6/16
20	TNC	70	DIN 7/16
30	N	71	13/30 SIE
31	C	72	13/30 M50
32	SC	73	EIA 3" 1/8
33	SMA	74	FLANGE DIN 7/16
34	TRIAX	75	EIA 1"5/8
35	SMC	78	EIA 7/8"
36	SMB	86	EIA 6"1/8"
37	BSM	87	SSMB
38	SSMA	90	K
39	FISCHIOTTO RAI	92	MCX
40	PL (UHF)	93	MMCX
41	MINI PL (MINI UHF)	94	PC2.4
42	1.0/2.3	95	PC3.5
44	F	96	PC7
45	FME	97	SMZ
48	EIA 4"1/8	KS22	SMP
49	EIA 4"1/2	KS31	OSSP/SBMA
50	HN	KS33	OSP/BMA
51	TWINAX	MR38	PMMA/BMZ
54	SMS	MR88	SMP
57	SIS	SSLB	SSLB
60	LC	THT	THT
61	1.6/5.6	UER 70	FLANGE UER CNT. 7/16M
62	1.8/5.6		

## ELECTRICAL CONTACT

1	JACK/FEMALE	2	PLUG/MALE
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## CONFIGURATION

0	STRAIGHT	7	FOR SOLDER CONNECTORS PANEL MOUNT BULKHEAD
4	RIGHT ANGLE	8	FOR CABLE CONNECTORS PANEL MOUNT BULKHEAD
5	FOR SOLDER CONNECTORS PANEL MOUNT SQUARE FLANGE	090	"T" ADAPTER
6	FOR CABLE CONNECTORS PANEL MOUNT SQUARE FLANGE		

## CABLE TYPE

00	SOLDER CONTACT		36	UT.141 <sup>(1)</sup>	50 Ω
11	RG 8-9-115-213-214-225-393	50 Ω	367	UT.141	75 Ω
11TW	LMR400-BELDEN 9913	50 Ω	38	3/8" AIR	50 Ω
117	RG 11-13-216	75 Ω	40	4"1/8 AIR	50 Ω
12	1/2" FOAM	50 Ω	41	6"1/8 AIR	50 Ω
12H	1/2" SUPERFLEX	50 Ω	42	4"1/2 AIR	50 Ω
12HFX	1/2" FLEX (no corrugated)	50 Ω	45	2YCC-0.4/2.5	75 Ω
127	1/2" FOAM	75 Ω	46	ST 214	75 Ω
127H	1/2" SUPERFLEX	75 Ω	48	ST 112	75 Ω
12A	1/2" AIR	50 Ω	49	ST 212	75 Ω
127A	1/2" AIR	75 Ω	50	ST 121	75 Ω
13	3/8" FOAM	50 Ω	52	1/2" (BAMBOO)	75 Ω
13H	3/8" SUPERFLEX	50 Ω	53	5/8" (BAMBOO)	75 Ω
14	1/4" FOAM	50 Ω	54	13/3 (BAMBOO)	75 Ω
14H	1/4" SUPERFLEX	50 Ω	55	5" AIR	50 Ω
147H	1/4" SUPERFLEX	75 Ω	56	RG 58-141-142-223-303	50 Ω
15	1"5/8 FOAM	50 Ω	58	5/8" FOAM	50 Ω
15A	1"5/8 AIR	50 Ω	58A	5/8" AIR	50 Ω
157A	1"5/8 AIR	75 Ω	587	5/8" AIR	75 Ω
16	RG 14-217	50 Ω	64	RG 59-62-71	75 Ω
167	RG 34	75 Ω	65	UT.250 <sup>(1)</sup>	50 Ω
17	RG 178-196	50 Ω	69	MULTIFLEX 086	50 Ω
18	1"1/8 AIR	50 Ω	71	17,5/4 (BAMBOO)	75 Ω
187	1"1/8 AIR	75 Ω	73	HP950 TIMES	50 Ω
19	1"1/4 FOAM	50 Ω	74	MULTIFLEX 141	50 Ω
21	2"1/4 FOAM	50 Ω	78	7/8" FOAM	50 Ω
22	RG 17-218- HP850 TIMES	50 Ω	787	7/8" FOAM	75 Ω
227	Ø 22 mm	75 Ω	78A	7/8" AIR	50 Ω
23	UT.085 <sup>(1)</sup>	50 Ω	78R	7/8" RADIAFLEX	50 Ω
237	UT.085	75 Ω	787A	7/8" AIR	75 Ω
24R	1"1/4 RADIAFLEX	50 Ω	80	SAT 703 B	75 Ω
25R	1"5/8 RADIAFLEX	50 Ω	85	RG 5-212	50 Ω
26	RG 122	50 Ω	857	RG 6	75 Ω
27	ECOFLEX 15-LMR600	50 Ω	87	S04272B-H155	50 Ω
28	RG 19-220	50 Ω	89	UT.047 <sup>(1)</sup>	50 Ω
29	3" AIR	50 Ω	90	GE 18 ( cable type 100)	50 Ω
30	ECOFLEX 10	50 Ω	91	GE 40 ( cable type 105)	50 Ω
31	3"1/8 AIR	50 Ω	92R	6/8" RADIAFLEX	50 Ω
35	RG 174-188-316	50 Ω			
357	RG 179-187	75 Ω			

(1) = Semirigid/Preformed cables



## ALPHABETICAL SUFFIXES

A	AIR CABLE	IX	STAINLESS STEEL
AG	SILVER NICKEL FREE	J	ANGLE 45°
AL	ALUMINUM	K	KABEL METAL
AR	ARMORED CABLE	KC	MILITARY CRIMP
B	ECONOMIC TYPE	LR	RIGID LINE
BD	BIRD	LRE	EUROPE RIGID LINE
C	CONICAL TYPE	LS	LOZENGE
CC	SHORT CONTACT	LV	PRECISION
CF	THREADED CONTACT	M	MEASURING
CL	LONG CONTACT	MS	FOR MICROSTRIP
CM	BODY CONTACT	P	POWER
CP	CAPTIVATED CONTACT	PC	CIRCULAR PANEL
CS	PCB	R	LONG THREAD
D	MILITARY TYPE	RG	ADJUSTABLE
DS	DOUBLE SCREEN CABLE	RP	QUICK COUPLING
FC	FULL CRIMP	SD	WITHOUT DIELECTRIC
FF	FIXED FLANGE	SG	WATERPROOF
GB	GAS BARRIER	SHV	HIGH VOLTAGE
H	SUPERFLEX CABLE	SL	SLIDE
HS	SOLDERED CONNECTOR	SO	SNAP-ON
HT	HIGH VOLTAGE	ST	STRIP LINE CONTACT
I	INNER	TL	LONG TEFLON
IM	INTERMODULATION	TP	BODY CRIMP
IS	ISOLATED	TR	STRAIGHT CHANGE ON RIGHT ANGLE

## ALPHABETICAL PREFIXES

T	PROTECTIVE CAPS	DS	DECOUPLED
CC	SHORT	INS	REDUCTION INSERT
PT	U-LINK	MR	CUSTOM
EST	EXTRACTOR	KS	CUSTOM
GR	ROTARY JOINT		

GENEX RF offers interconnect solutions for RF advanced applications, with flexibility, speed and quality, in accordance with military specifications and standards commercial.



# BNC

COAXIAL CONNECTORS 50Ω / 75Ω

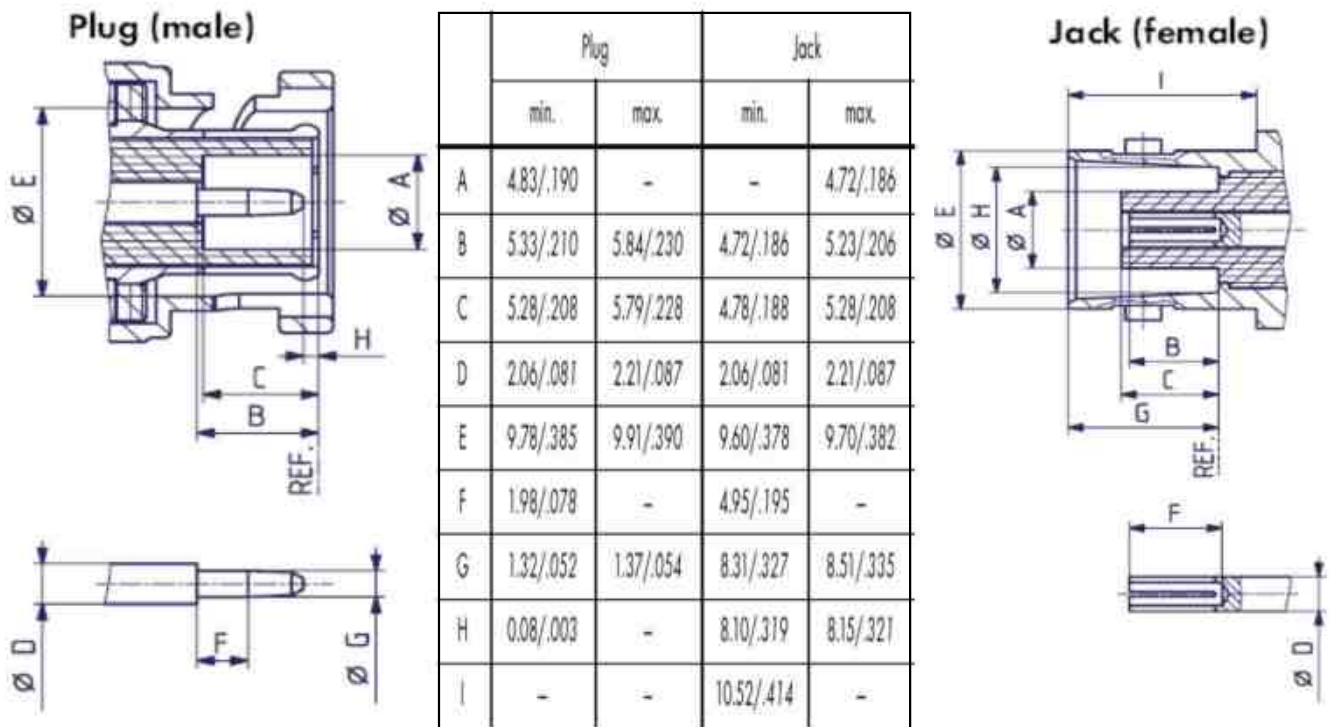


# TECHNICAL INFORMATIONS BNC 50 Ω

		notes
Frequency range	DC ÷ 4 GHz	
VSWR :	1.30 MAX	
Impedance	50 Ω	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.5$ mΩ	
	outer $\leq 1.0$ mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-202,method 213,condition G	
Interface dimensions	Europe: CECC 22120	
	USA: MIL-C-39012	
	MIL-STD-348A/301 (BNC interface )	

Above, are typical characteristics of BNC 50 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE



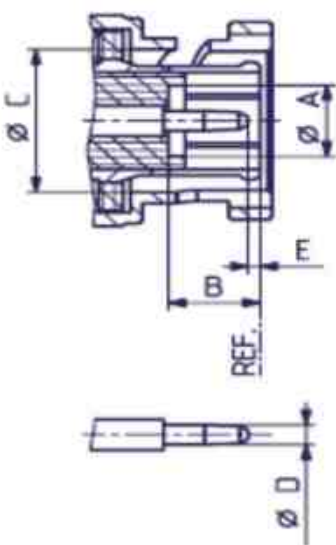
# TECHNICAL INFORMATIONS BNC 75 Ω

		notes
Frequency range	DC ÷ 1 GHz	
VSWR	1.15 MAX	
Impedance	75 Ω	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.5$ mΩ	
	outer $\leq 1.0$ mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-202,method 213,condition G	
Interface dimensions	Europe: CECC 22120	
	USA: MIL-C-39012	
	MIL-STD-348A/301 (BNC interface )	

Above, are typical characteristics of BNC 75 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

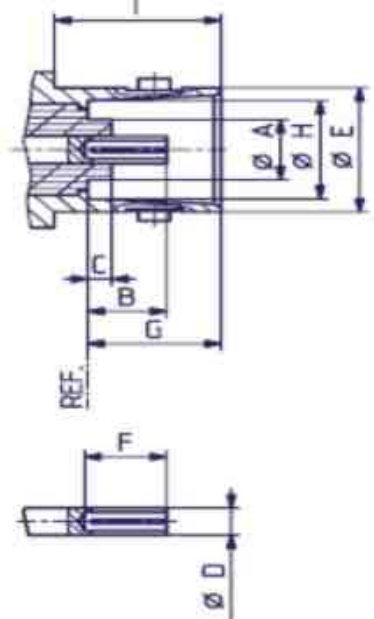
## INTERFACE

**Plug (male)**



	Plug		Jack	
	min.	max.	min.	max.
A	4.83/.190	4.97/.196	-	4.72/.186
B	5.28/.208	5.79/.228	4.72/.186	5.23/.206
C	9.78/.385	9.91/.390	1.50/.059 nom.	
D	1.32/.052	1.37/.054	2.10/.827 nom.	
E	0.08/.003	1.02/.040	9.60/.378	9.70/.382
F		-	4.95/.195	-
G		-	8.35/.328	8.48/.334
H	-	-	8.10/.319	8.15/.321
I	-	-	10.60/.417	-

**Jack (female)**



# FLEXIBLE CABLE CONNECTORS 50Ω / 75Ω

## STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
102011	BNC m for RG 8-9-115-213-214	50 Ω		
102017	BNC m for RG 178-196	50 Ω		
102035	BNC m for RG 174-188-316	50 Ω		
102056	BNC m for RG 58-141-142-223-303	50 Ω		4
102064	BNC m for RG 59-62-71	75 Ω		
102085	BNC m for RG 5-22-212	50 Ω		
102064HT	BNC m for RG 59-62-71	n.a.	high voltage	

## STRAIGHT PLUGS (M) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
1020117TP	BNC m for RG11-13-216	75 Ω		
1020111TP	BNC m for RG 8-9-115-213	50 Ω		1
102011TPDS	BNC m for RG 214	50 Ω		
102011TPTW	BNC m for LMR 400/BELDEN 9913	50 Ω		
1020357TP	BNC m for RG 179-187	75 Ω		
102035TP	BNC m for RG 174 -188-316	50 Ω		5
102049TP	BNC m for ST 212	75 Ω		2
102056TP	BNC m for RG 58-141-142-223-303	50 Ω		11
102064TP	BNC m for RG 59-62-71	75 Ω		12
1020857TP	BNC m for RG 6	75 Ω		23




## RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
102411 	BNC m for RG 8-9-115-213-214	50 Ω		20
102456	BNC m for RG 58-141-142-223-303	50 Ω		
102464	BNC m for RG 59-62-71	75 Ω		
102485	BNC m for RG 5-6-212	50 Ω		


## RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
102417TP 	BNC m for RG 178-196	50 Ω		
102456TP	BNC m for RG 58-141-142-223-303	50 Ω		
102464TP	BNC m for RG 59-62-71	75 Ω		13
1024857TP	BNC m for RG 6	75 Ω		

## STRAIGHT JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101011 	BNC f for RG 8-9-115-213-214	50 Ω		
101056	BNC f for RG 58-141-142-223-303	50 Ω		
101064	BNC f for RG 59-62-71	75 Ω		
101064HT	BNC f for RG 59-62-71	n.a.	high voltage	
101064SHV	BNC f for RG 59-62-71	n.a.	high voltage	

## STRAIGHT JACKS (F) CRIMP


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101011TP	BNC f for RG 8-9 -115-213	50 Ω		6
101035TP	BNC f for RG 174 -188 - 316	50 Ω		
101049TP	BNC f for ST 212	75 Ω		3
101056TP	BNC f for RG 58-141-142-223-303	50 Ω		7
101064TP	BNC f for RG 59-62-71	75 Ω		
101087TP	BNC f for S04272B Suhner- H155 Belden	50 Ω	low loss	18
101011TPDS	BNC f for RG 214	50 Ω		

## STRAIGHT PANEL JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101656	BNC f for RG 58-141-142-223-303	50 Ω	flange 17,5x17,5	
101664	BNC f for RG 59-62-71	75 Ω	flange 17,5x17,5	
101835	BNC f for RG 174-188-316	50 Ω	bulkhead	
101856	BNC f for RG 58-141-142-223-303	50 Ω	bulkhead	
101864	BNC f for RG 59-62-71	75 Ω	bulkhead	

## STRAIGHT PANEL JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101617TP	BNC f for RG 178-196	50 Ω	flange 17,5x17,5	8
101835TP 	BNC f for RG 174-188-316	50 Ω	bulkhead	9
101864TP	BNC f for RG 59-62-71	75 Ω	bulkhead	10
101856TP	BNC f for RG 58-141-142-223-303	50 Ω	bulkhead	

## SEMIRIGID CABLE CONNECTORS 50Ω / 75Ω

### STRAIGHT PLUGS (M)


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
102023	BNC m for UT.085	50 Ω		
102036	BNC m for UT.141	50 Ω		

### STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101023	BNC f for UT.085	50 Ω		
101036	BNC f for UT.141	50 Ω		

### STRAIGHT PANEL JACKS (F)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101623 	BNC f for UT.085	50 Ω	flange 17,5x17,5	14
101636	BNC f for UT.141	50 Ω	flange 17,5x17,5	
101823	BNC f for UT.085	50 Ω	bulkhead	
101836	BNC f for UT.141	50 Ω	bulkhead	

## RECEPTACLES WITH SOLDER END 50Ω / 75Ω



### STRAIGHT PANEL PLUGS (M)



P.N. GENEX RF	Description	OHM	Notes	Fig.
102518 	BNC m solder contact	50 Ω	flange 17,5x17,5	15
102518HT	BNC m solder contact	50 Ω	high voltage - flange 17,5x17,5	
102518SHV	BNC m solder contact	50 Ω	high voltage - flange 17,5x17,5	16

### STRAIGHT PANEL JACKS (F)



P.N. GENEX RF	Description	OHM	Notes	Fig.
101518 	BNC f solder contact	50 Ω	flange 17,5x17,5	
101700 	BNC f solder contact	50 Ω	bulkhead	17
101500HT	BNC f solder contact	50 Ω	high voltage - flange 17,5x17,5	
101700HT	BNC f solder contact	50 Ω	bulkhead - high voltage	
101700R	BNC f solder contact	50 Ω	bulkhead - long threaded	


### STRAIGHT PANEL JACKS (F) WATERPROOF



P.N. GENEX RF	Description	OHM	Notes	Fig.
MR101700LS-B	BNC f solder contact	50 Ω	panel mount lozenge	25

## RIGHT ANGLE 90° PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
101407 	BNC f solder contact	50 $\Omega$	rear threaded	19
101418	BNC f solder contact	50 $\Omega$	flange 17,5x17,5	

## ADAPTERS BNC - BNC



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
1013101	BNC f - BNC f	50 Ω		21
1015101	BNC f - BNC f panel mount	50 Ω	flange 17,5x17,5	
1017101	BNC f - BNC f panel mount	50 Ω	bulkhead	
1023101	BNC m - BNC f	50 Ω		
1023102	BNC m - BNC m	50 Ω		24
1024101	BNC m L BNC f	50 Ω	right angle 90°	
10090111	BNC f - f - f	50 Ω	T adapters	
10090121	BNC f - m - f	50 Ω	T adapters	26
10131017	BNC f - BNC f	75 Ω		
10151017	BNC f - BNC f panel mount	75 Ω	flange 17,5x17,5	
10171017	BNC f - BNC f panel mount	75 Ω	bulkhead	
10231027	BNC m - BNC m	75 Ω		
1017101IS	BNC f - BNC f panel mount isolated from mass	50 Ω	bulkhead	22

For others combinations, see section " COAXIAL ADAPTERS"


## SHORT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
CC1010	Short BNC f	50 Ω		
CC1020	Short BNC m	50 Ω		

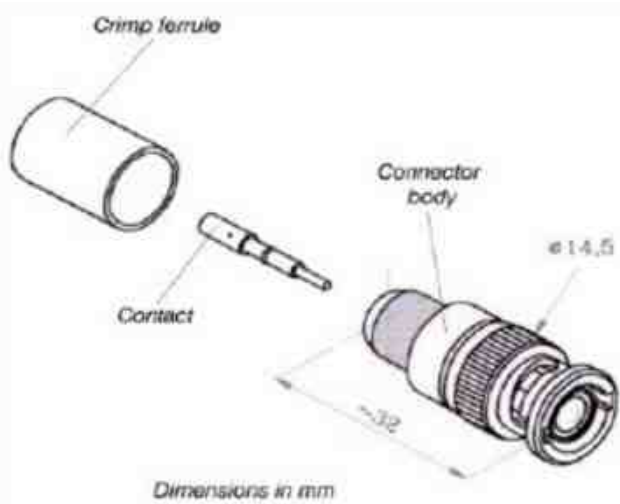


## PROTECTIVE CAPS



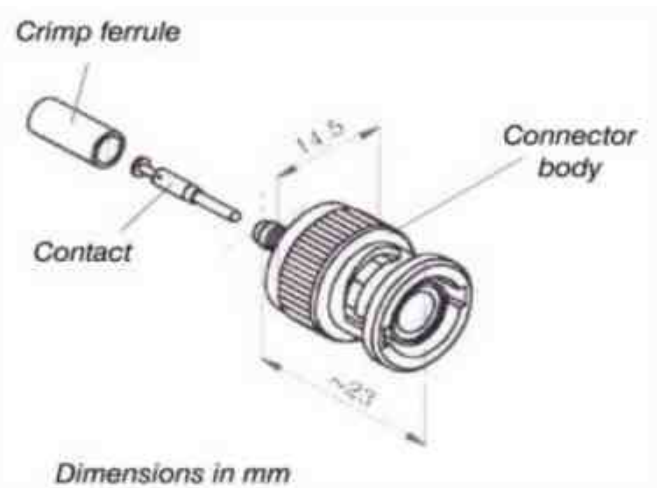
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
T1010 	Protective cap for BNC m	n.a.		
T1020	Protective cap for BNC f	n.a.		

## DRAWINGS BNC



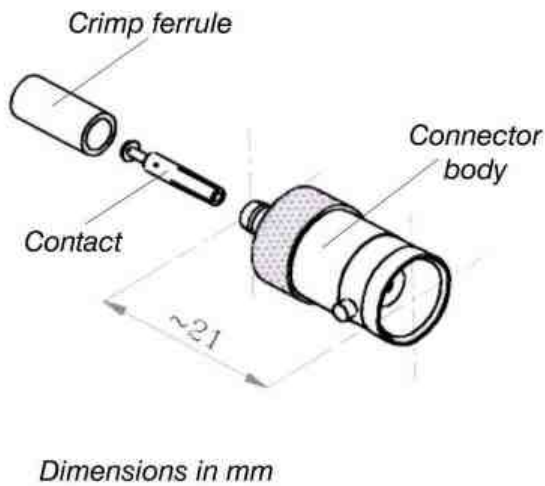
**Fig.1**

**P/N 102011TP**



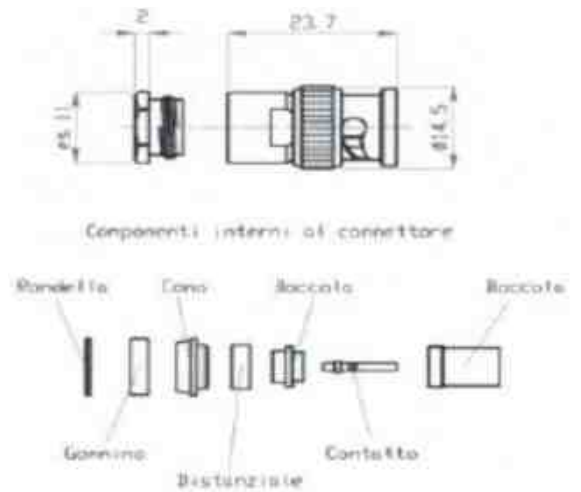
**P/N 102049TP**

**Fig.2**



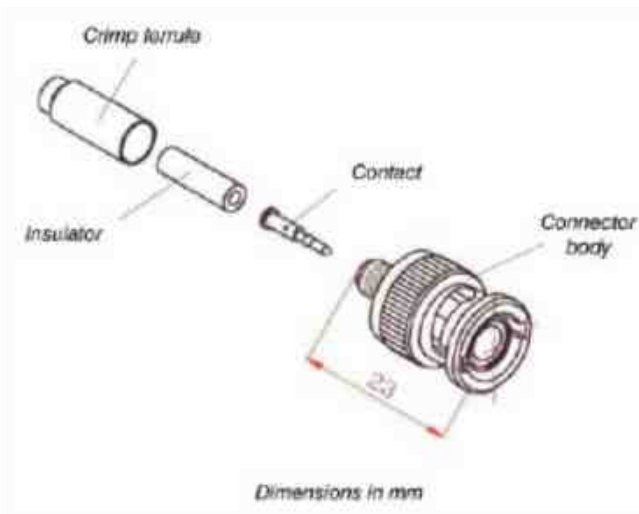
**Fig.3**

**P/N 101049TP**



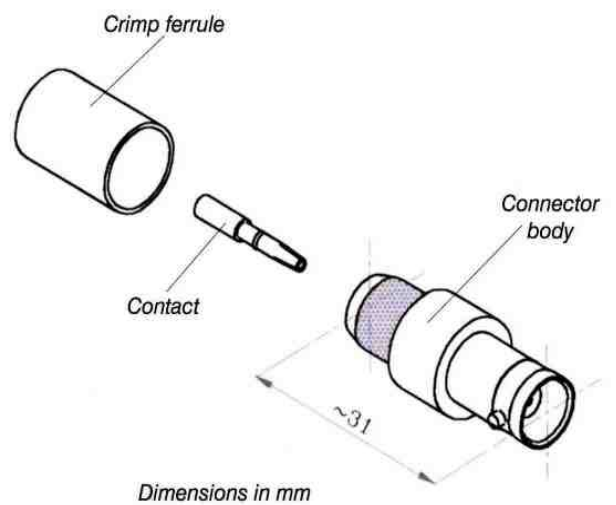
**P/N 102056**

**Fig.4**



**Fig.5**

**P/N 102035TP**



**P/N 101011TP**

**Fig.6**

# DRAWINGS BNC

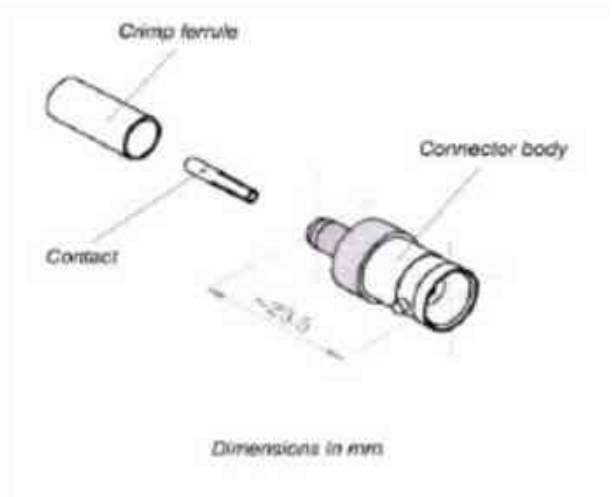


Fig.7

P/N 101056TP

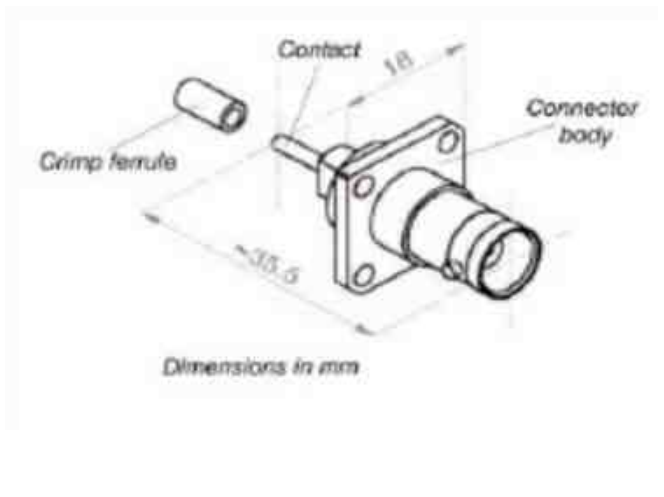


Fig.8

P/N 101617TP

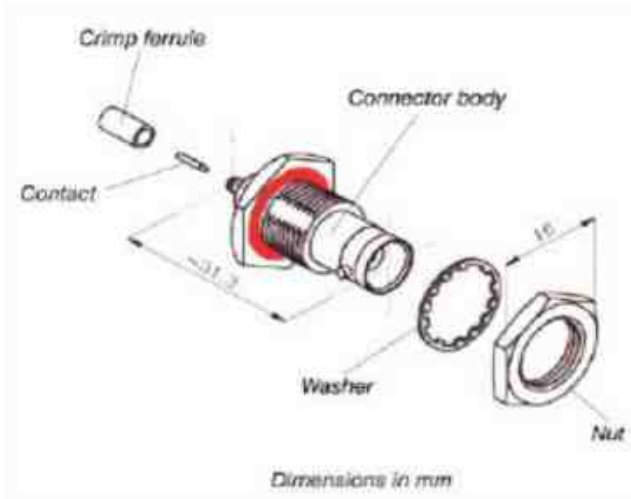


Fig.9

P/N 101835TP

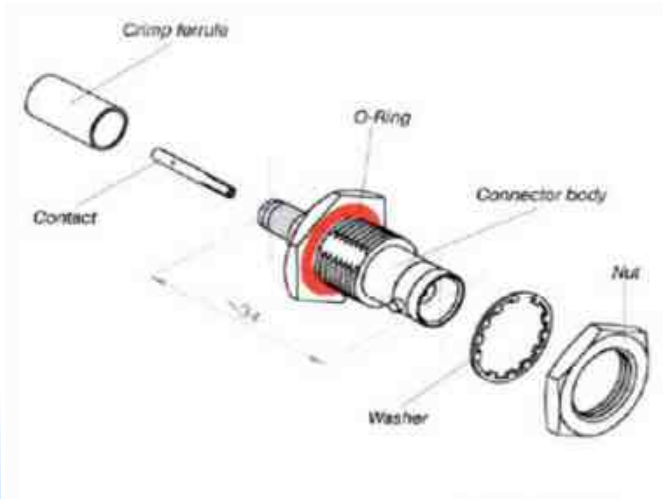


Fig.10

P/N 101864TP



Fig.11

P/N 102056TP

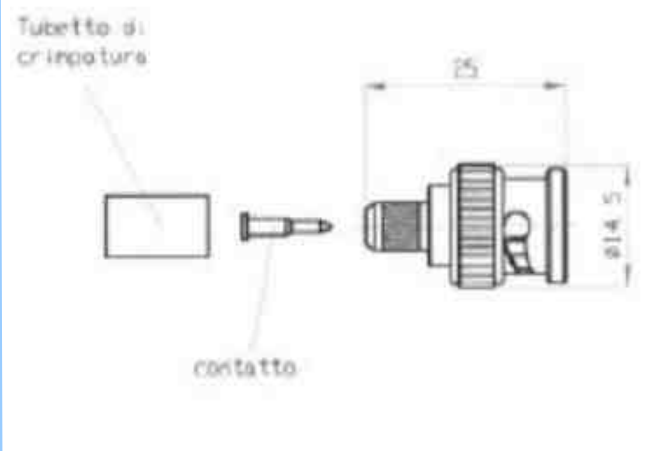
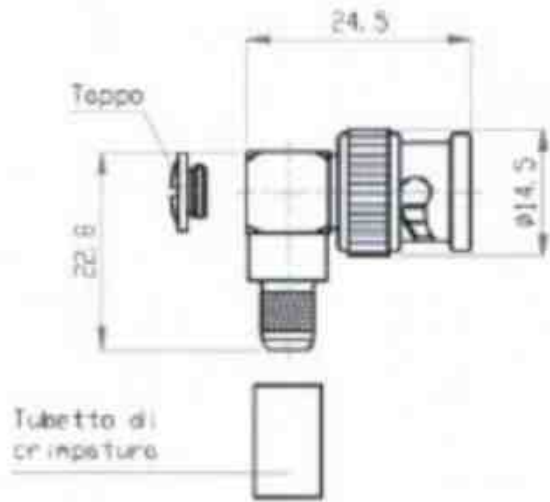


Fig.12

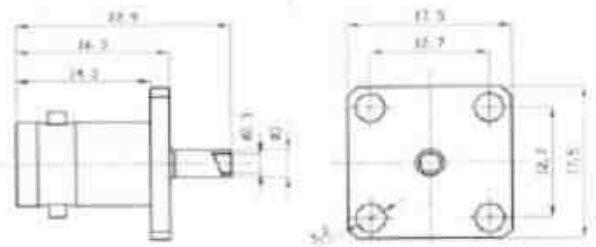
P/N 102064TP

## DRAWINGS BNC



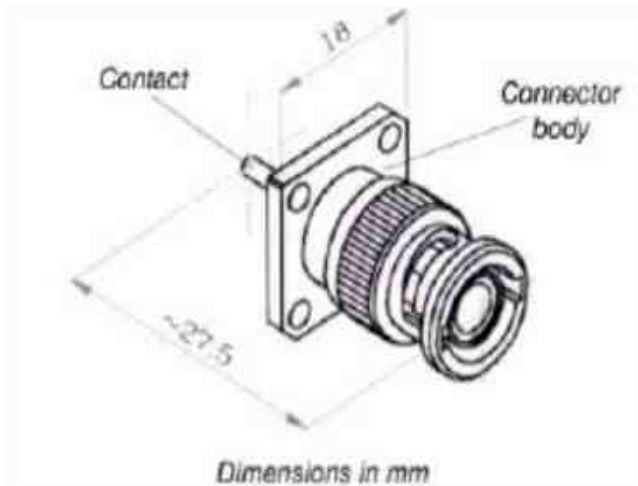
**Fig.13**

**P/N 102464TP**



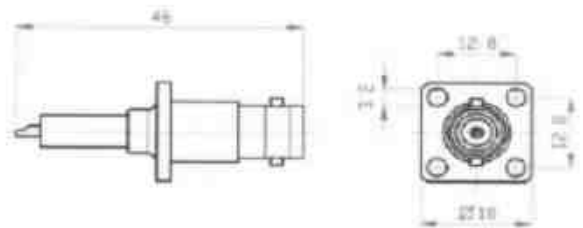
**P/N 101623**

**Fig.14**



**Fig.15**

**P/N 102518**



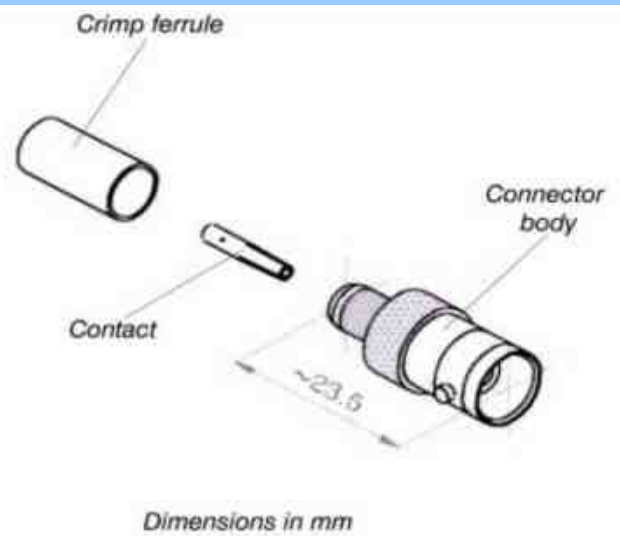
**P/N 102518SHV**

**Fig.16**



**Fig.17**

**P/N 101700**



**P/N 101087TP**

**Fig.18**

# DRAWINGS BNC

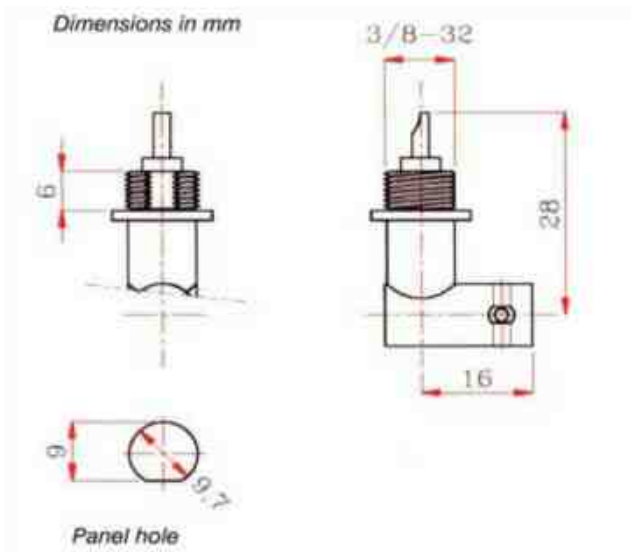
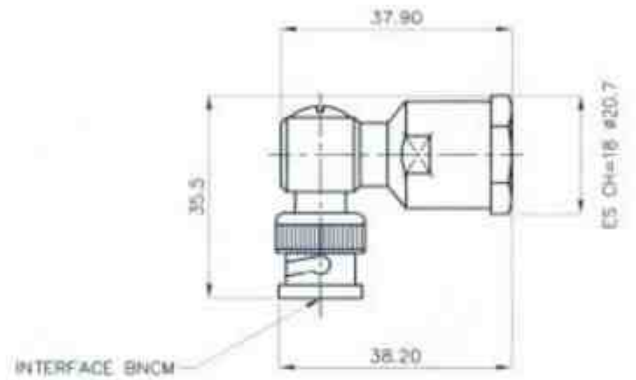


Fig.19

P/N 101407



P/N 102411

Fig.20

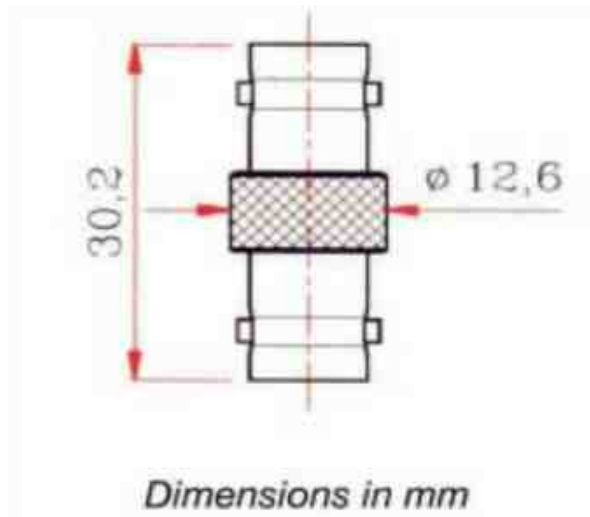
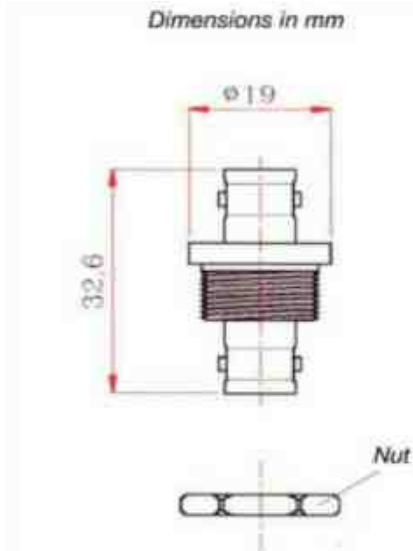


Fig.21

P/N 1013101



P/N 1017101IS

Fig.22

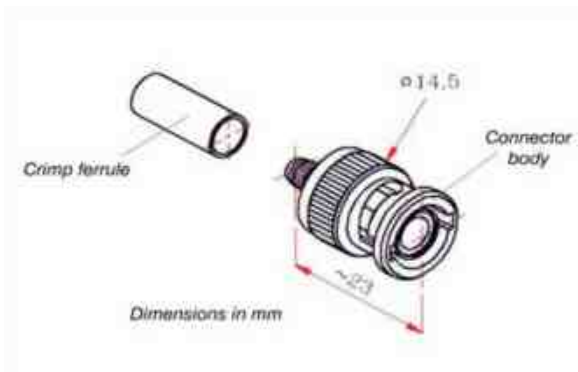
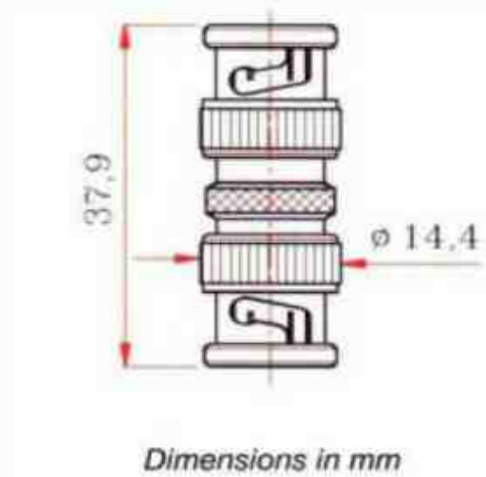


Fig.23

P/N 1020857TP



P/N 1023102

Fig.24

# DRAWINGS BNC

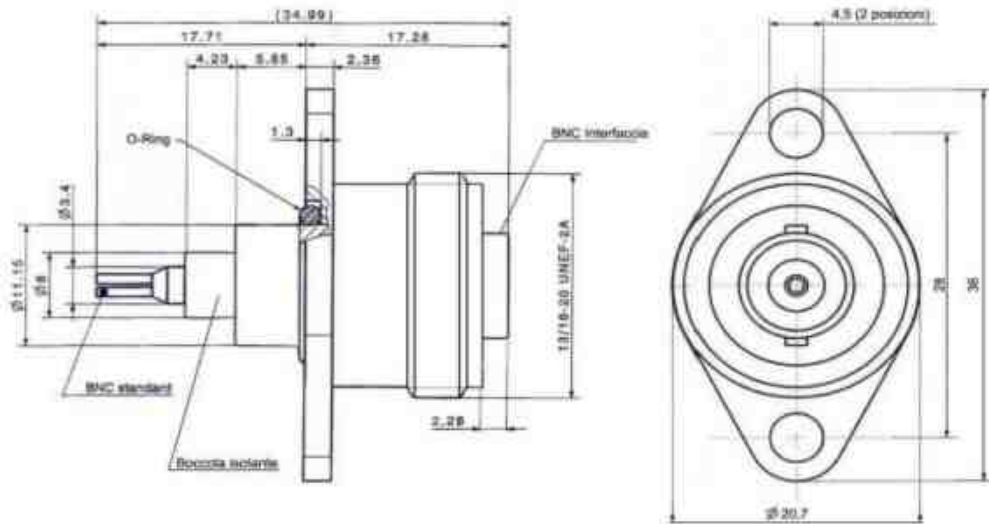


Fig.25

P/N MR101700LS-B



Fig.26

P/N 10090121

P/N

Fig.27

Fig.28

P/N

P/N

Fig.29



# TNC

COAXIAL CONNECTORS 50Ω / 75Ω



# TECHNICAL INFORMATIONS TNC 50 Ω

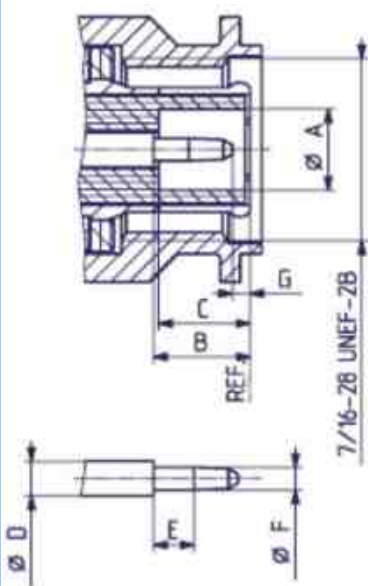
notes

Frequency range	DC ÷ 11 GHz
VSWR	1.30 MAX
Impedance	50 Ω
Insulation	≥ 5 * 10 <sup>3</sup> MΩ
Contact resistance	centre ≤1.5 mΩ
	outer ≤1.0 mΩ
Temperature range	-65°C ÷ +165°C
Thermal shock	MIL-STD-202,method 107,condition B
Corrosion	MIL-STD-202,method 101,condition B
Vibration	MIL-STD-202,method 204,condition B
Shock	MIL-STD-212,method 213,condition G
Interface dimensions	Europe: CECC 22200
	USA: MIL-C-39012
	MIL-STD-348A/313 (TNC interface )

Above, are typical characteristics of TNC 50 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

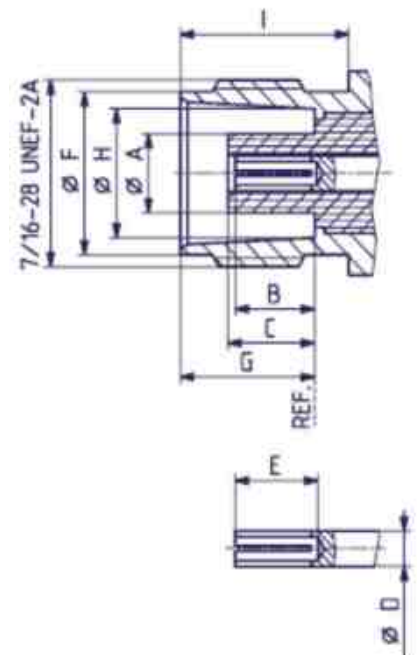
## INTERFACE

**Plug (male)**



	Plug		Jack	
	min.	max.	min.	max.
A	4.83/.190	-	-	4.72/.186
B	5.33/.210	5.84/.230	4.72/.186	5.23/.206
C	5.28/.208	5.79/.228	4.78/.188	5.28/.208
D	2.06/.081	2.21/.087	2.06/.081	2.21/.087
E	1.98/.078	-	4.95/.195	-
F	1.32/.052	1.37/.054	9.60/.378	9.70/.382
G	0.08/.003	-	8.31/.327	8.51/.335
H	-	-	8.10/.319	8.15/.321
I	-	-	10.52/.414	-

**Jack (female)**



# TECHNICAL INFORMATIONS TNC 75 Ω

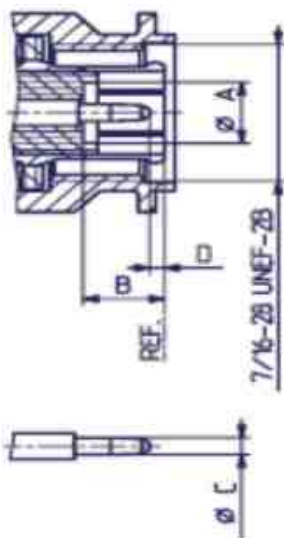
notes

Frequency range	DC ÷ 1 GHz
VSWR	1.15 MAX
Impedance	75 Ω
Insulation	$\geq 5 * 10^3$ MΩ
Contact resistance	centre $\leq 1.5$ mΩ
	outer $\leq 1.0$ mΩ
Temperature range	-65°C ÷ +165°C
Thermal shock	MIL-STD-202,method 107,condition B
Corrosion	MIL-STD-202,method 101,condition B
Vibration	MIL-STD-202,method 204,condition B
Shock	MIL-STD-212,method 213,condition G
Interface dimensions	Europe: CECC 22200
	USA: MIL-C-39012
	MIL-STD-348A/313 (TNC interface )

Above, are typical characteristics of TNC 75 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

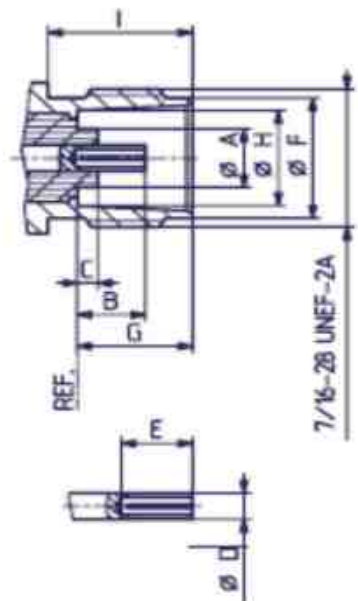
## INTERFACE

**Plug (male)**



	Plug		Jack	
	min.	max.	min.	max.
A	4.83/.190	4.97/.196	--	4.72/.186
B	5.28/.208	5.79/.228	4.72/.186	5.23/.206
C	1.32/.052	1.37/.054	1.50 / .059 nom.	
D	0.08/.003	1.02/.040	2.10 / .827 nom.	
E	--	--	4.95/.195	--
F	--	--	9.60/.378	9.70/.382
G	--	--	8.35/.328	8.48/.334
H	--	--	8.10/.319	8.15/.321
I	--	--	10.60/.417	--

**Jack (female)**



# FLEXIBLE CABLE CONNECTORS 50Ω / 75Ω

## STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202011	TNC m for RG 8-9-115-213-214	50 Ω		10
202056B	TNC m for RG 58-141-142-223-303	50 Ω		14

## STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202011TP	TNC m for RG 8-9-115-213	50 Ω		11
202011TPDS	TNC m for RG 214	50 Ω		
202035TP	TNC m for RG 174-188-316	50 Ω		
202035TPDS	TNC m for RG 316 dual screen	50 Ω		
202049TP	TNC m for ST 212	75 Ω		13
202056TP	TNC m for RG 58-141-142-223-303	50 Ω		3
202087TP	TNC m for S04272 Suhner-H155 Belden	50 Ω	low loss	16


## RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202456	TNC m for RG 58-141-142-223-303	50 Ω		
202411D	TNC m for RG 8-9-115-213-214	50 Ω		17


## RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202449TP 	TNC m for ST 212	75 Ω		19
202456TP	TNC m for RG 58-303	50 Ω		4
202456TPDSSO	TNC m for RG 141-142-223	50 Ω	snap-on	33


## STRAIGHT JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
201056B 	TNC f for RG 58-141-142-223-303	50 Ω		6


## STRAIGHT JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
201056TP	TNC f for RG 58-141-142-223-303	50 Ω		
201087TP 	TNC f for S04272 Suhner - H155 Belden	50 Ω	low loss	7

## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
201656	TNC f for RG 58-141-142-223-303	50 Ω	flange 17,5x17,5	
201835 	TNC f for RG 174-188-316	50 Ω	bulkhead	
201856	TNC f for RG 58-141-142-223-303	50 Ω	bulkhead	

## STRAIGHT PANEL JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
201635TP	TNC f for RG 174-188-316	50 Ω	flange 17,5x17,5	29
MR201635TP	TNC f for RG 174-188-316	50 Ω	waterproof	26


## **CORRUGATED CABLE CONNECTORS 50 Ω**

### STRAIGHT PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202013	TNC m for 3/8" foam	50 Ω	waterproof	
202014	TNC m for 1/4" foam	50 Ω	waterproof	

### RIGHT ANGLE 90° PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202414 	TNC m for 1/4" foam	50 Ω	waterproof	18



# SEMIRIGID CABLE CONNECTORS 50Ω / 75Ω

## STRAIGHT PLUGS (M)





P.N. GENEX RF	Description	OHM	Notes	Fig.
202023	TNC m for UT.085	50 Ω		
202036 	TNC m for UT.141	50 Ω		2
202065	TNC m for UT.250	50 Ω		
202065THAG	TNC m for UT.250	50 Ω		15

## STRAIGHT JACKS (F)

P.N. GENEX RF	Description	OHM	Notes	Fig.
201023	TNC f for UT.085	50 Ω		
201036	TNC f for UT.141	50 Ω		
201065	TNC f for UT.250	50 Ω		
201065THAG	TNC f for UT.250	50 Ω		12


## STRAIGHT PANEL JACKS (F)



P.N. GENEX RF	Description	OHM	Notes	Fig.
201623	TNC f for UT.085	50 Ω	flange 17,5x17,5	
201636	TNC f for UT.141	50 Ω	flange 17,5x17,5	
201836 	TNC f for UT.141	50 Ω	bulkhead	
201865	TNC f for UT.250	50 Ω	bulkhead	
201623LV 	TNC f for UT.085	50 Ω	flange 17,5x17,5	5
ELT201823	TNC f for UT.085	50 Ω	bulkhead-waterproof	25
ELT201836	TNC f for UT.141	50 Ω	bulkhead-waterproof	
MR201823LV	TNC f for UT.085	50 Ω	bulkhead-waterproof	27
MR201836LV	TNC f for UT.141	50 Ω	bulkhead-waterproof	28

## STRAIGHT PANEL PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202636 	TNC m for UT.141	50 Ω	flange 19x19	21

## RECEPTACLES WITH SOLDER END 50Ω / 75Ω

### STRAIGHT PANEL PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
202518 	TNC m solder contact	50 Ω	flange 17,5x17,5	20
202700	TNC m solder contact	50 Ω	bulkhead	




### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
201518	TNC f solder contact	50 Ω	flange 17,5x17,5	8
201700	TNC f solder contact	50 Ω	bulkhead	1
201500LSIT	TNC f microstrep contact	50 Ω	lozenge	32
201519THCLA	TNC f custom lenght contact	50 Ω	flange 19x19	9
MR201519LS	TNC f microstrep contact	50 Ω	lozenge	31
MR2015LSMS	TNC f microstrep contact	50 Ω	lozenge	30

## ADAPTERS TNC-TNC




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
2013201 	TNC f - TNC f	50 Ω		22
2015201	TNC f - TNC f panel mount	50 Ω	flange 17,5x17,5	
2017201 	TNC f - TNC f panel mount	50 Ω	bulkhead	23
2023201	TNC m - TNC f	50 Ω		
2023201TH	TNC m - TNC f	50 Ω		34
2023202 	TNC m - TNC m	50 Ω		24
2024201	TNC m L TNC f	50 Ω	right angle 90°	
20090111	TNC f - f - f	50 Ω	T adapter	
20090121	TNC f - m - f	50 Ω	T adapter	
MR2025201	TNC m - TNC f panel mount	50 Ω	flange 21,5x21,5	

For others combinations, see section " COAXIAL ADAPTERS"


## SHORT



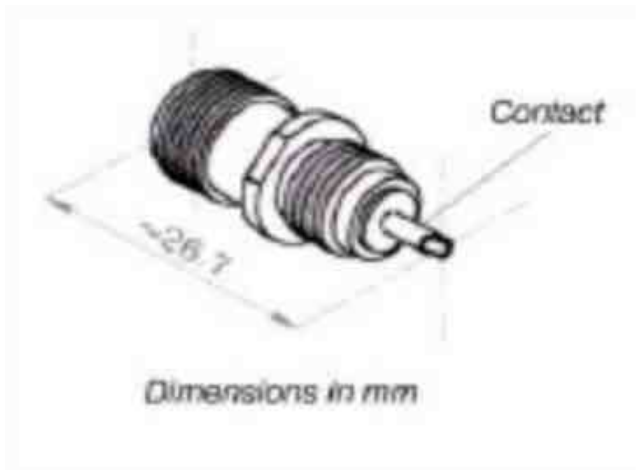
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
CC2010 	Short TNC f	50 Ω		
CC2020	Short TNC m	50 Ω		

## PROTECTIVE CAPS



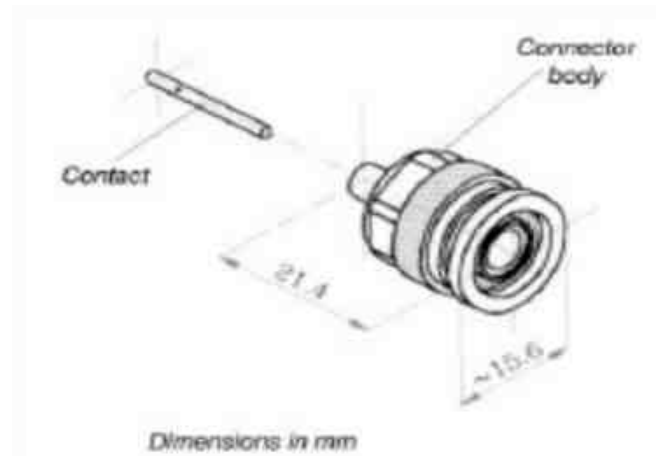
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
T2010	Protective cap for TNC m	n.a.		
T2020 	Protective cap for TNC f	n.a.		

## DRAWINGS TNC



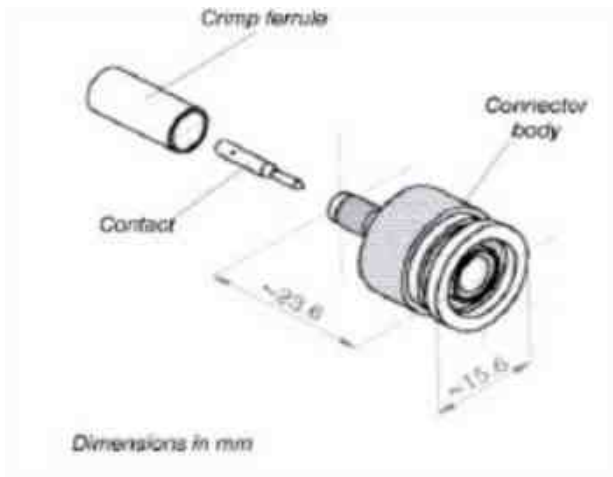
**Fig.1**

**P/N 201700**



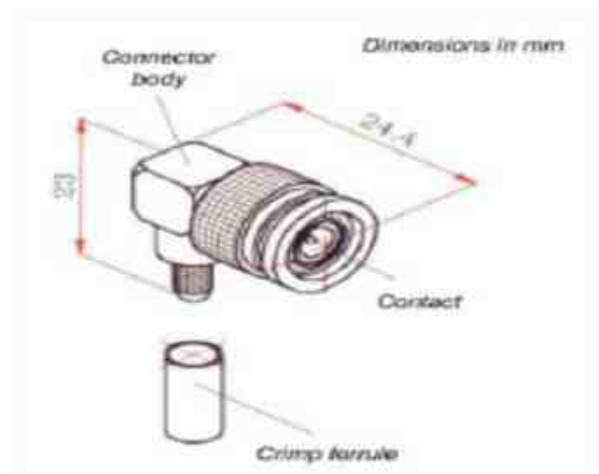
**P/N 202036**

**Fig.2**



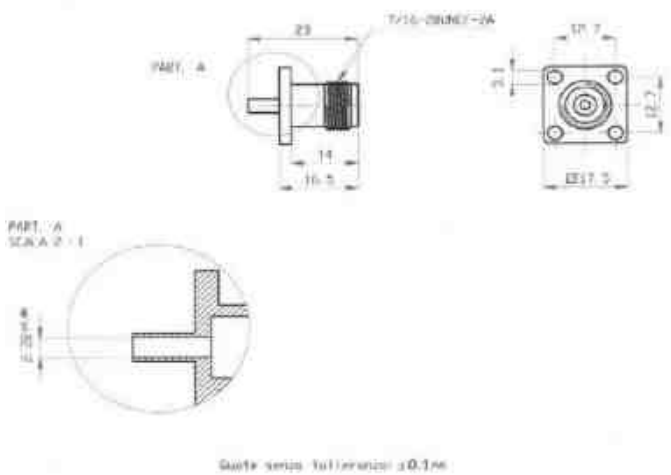
**Fig.3**

**P/N 202056TP**



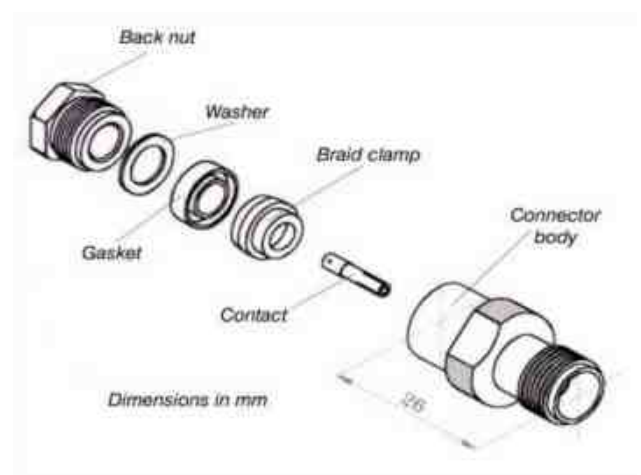
**P/N 202456TP**

**Fig.4**



**Fig.5**

**P/N201623LV**



**P/N 201056B**

**Fig.6**

# DRAWINGS TNC

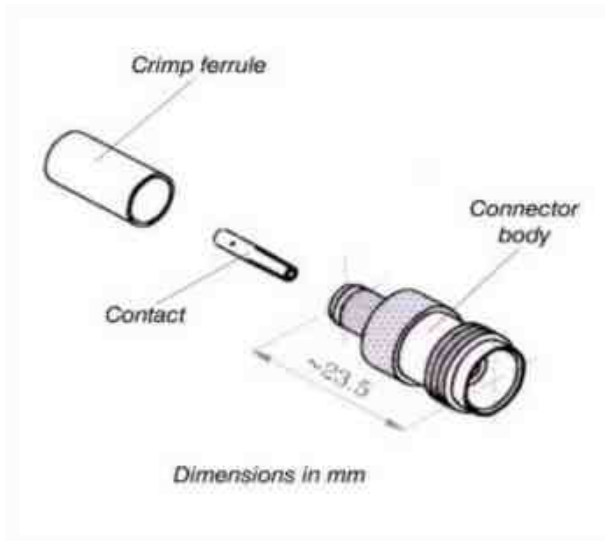
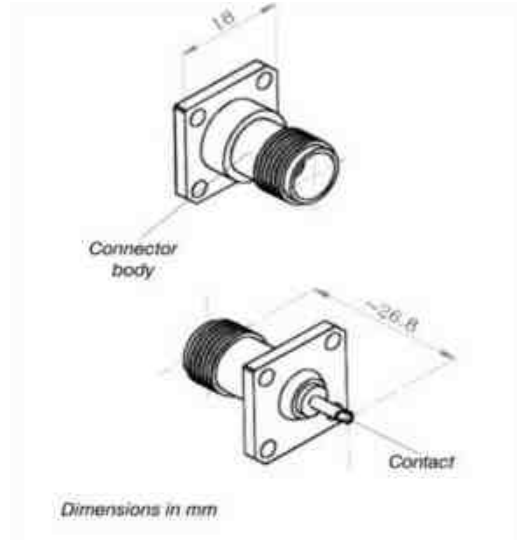


Fig.7

P/N 201087TP



P/N 201518

Fig.8

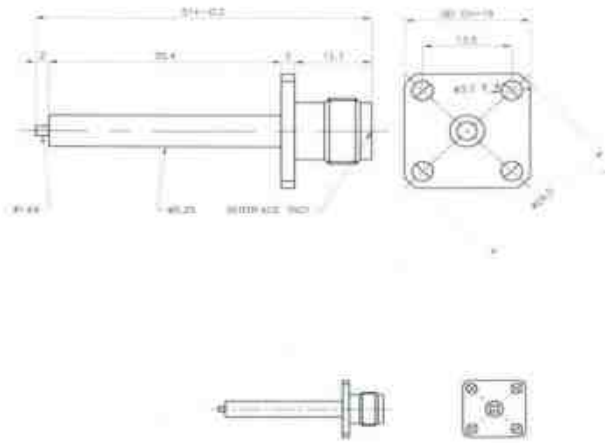
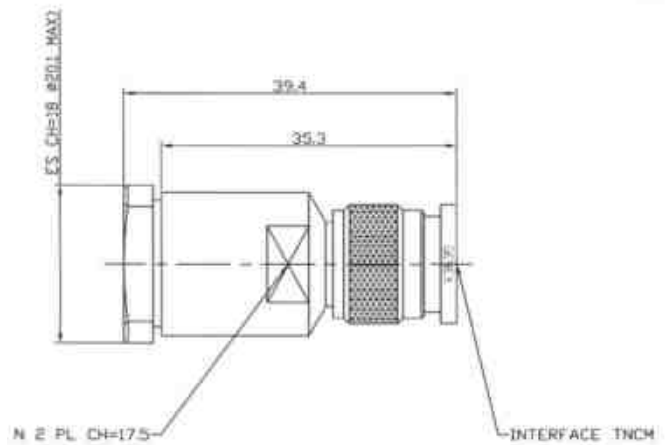


Fig.9

P/N 201519THCLA



P/N 202011

Fig.10

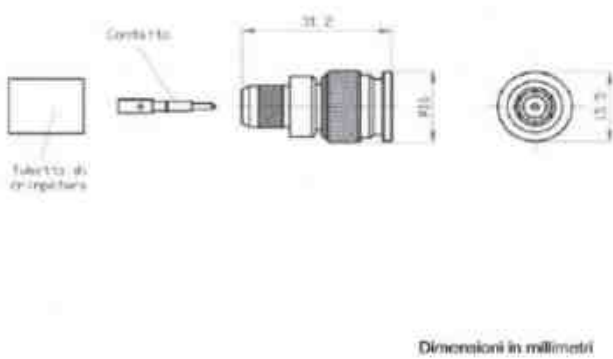
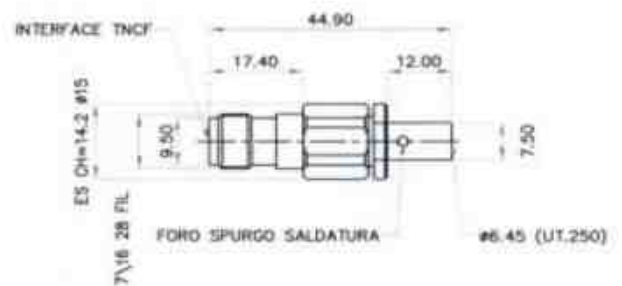


Fig.11

P/N 202011TP



P/N 201065THAG

Fig.12



# DRAWINGS TNC

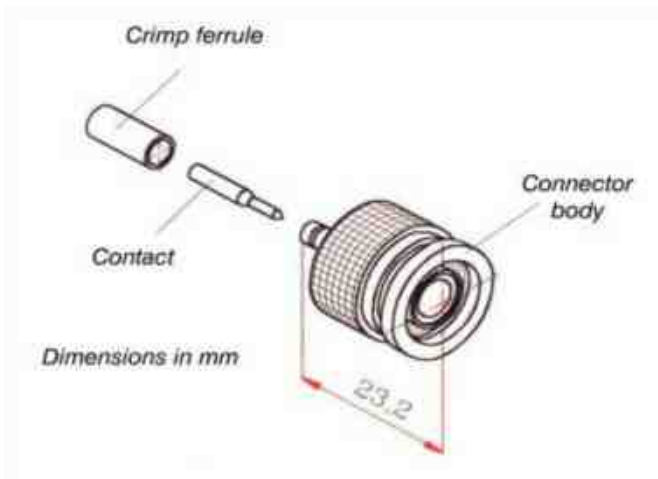
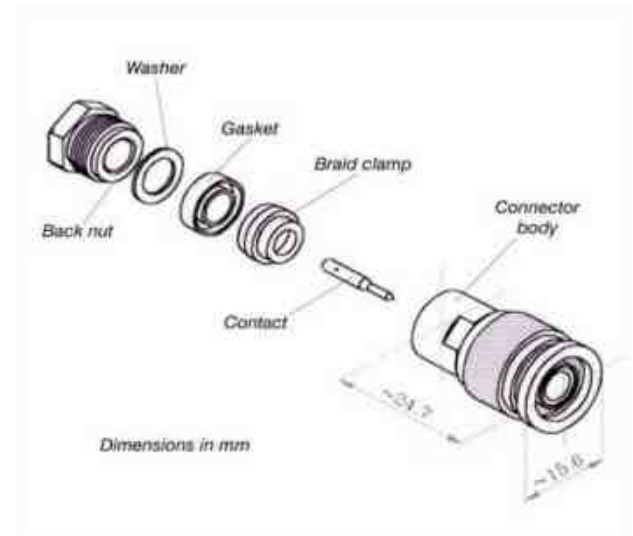


Fig.13

P/N 202049TP



P/N 202056B

Fig.14

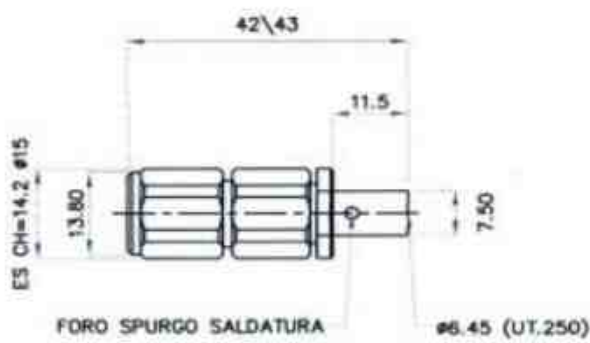
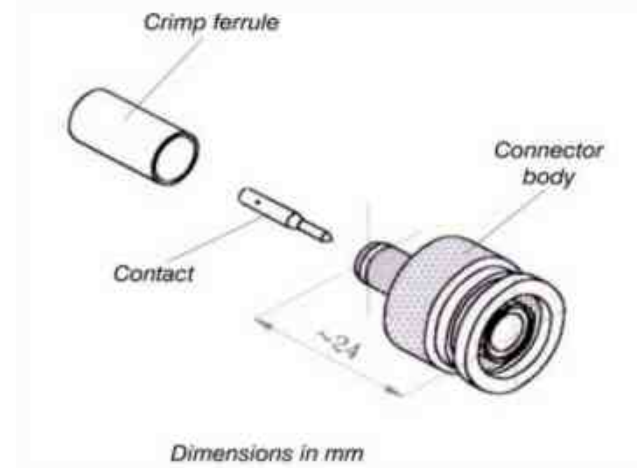


Fig.15

P/N 202065THAG



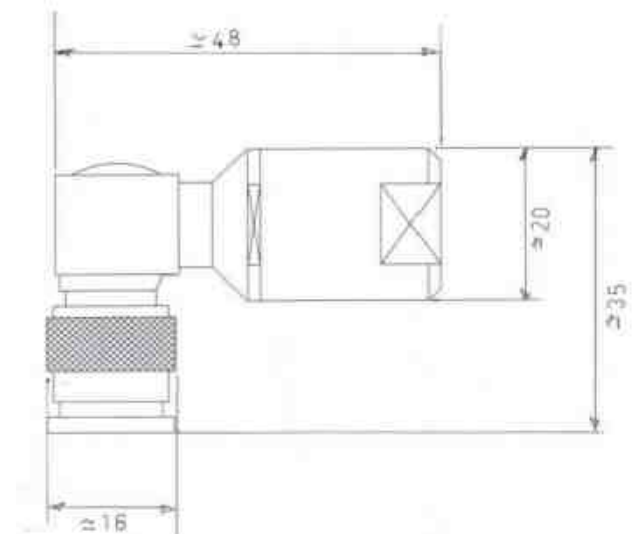
P/N 202087TP

Fig.16



Fig.17

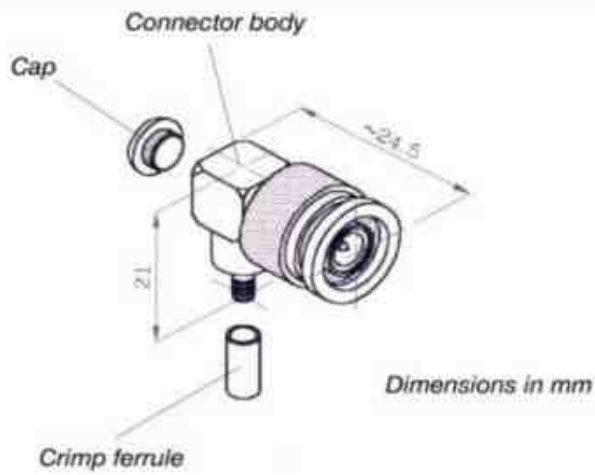
P/N 202411D



P/N 202414

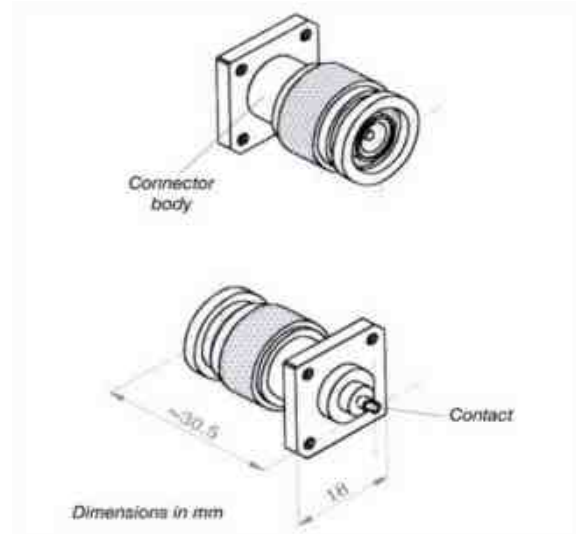
Fig.18

# DRAWINGS TNC



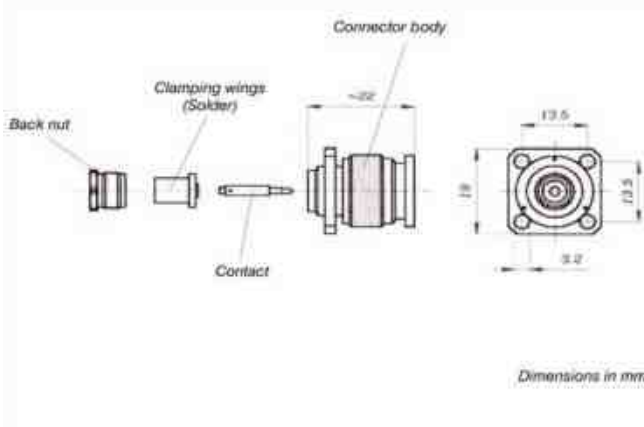
**Fig.19**

**P/N 202449TP**



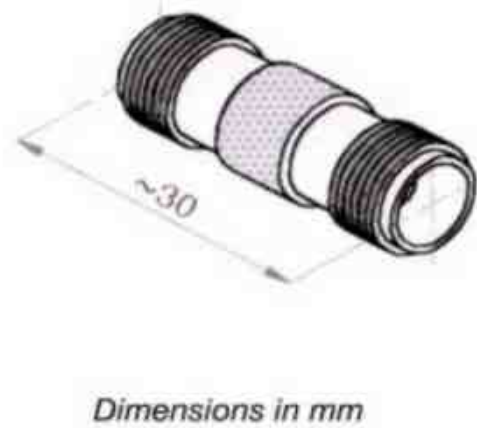
**P/N 202518**

**Fig.20**



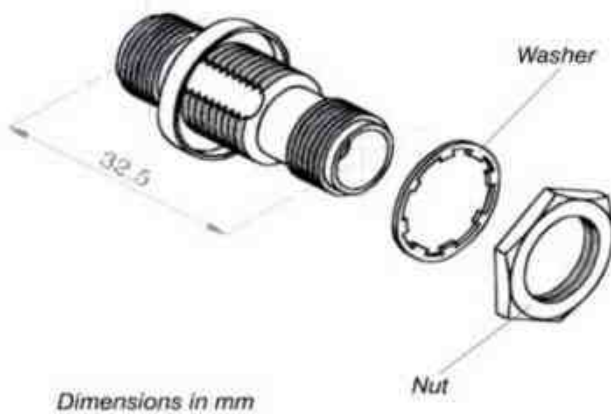
**Fig.21**

**P/N 202636**



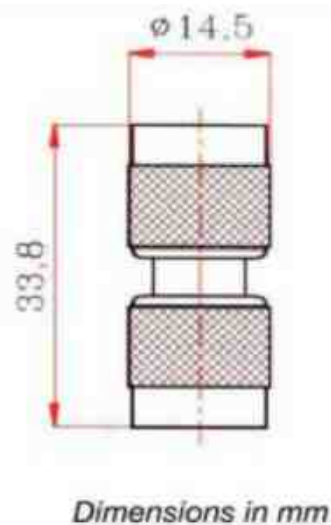
**P/N 2013201**

**Fig.22**



**Fig.23**

**P/N 2017201**



**P/N 2023202**

**Fig.24**

# DRAWINGS TNC

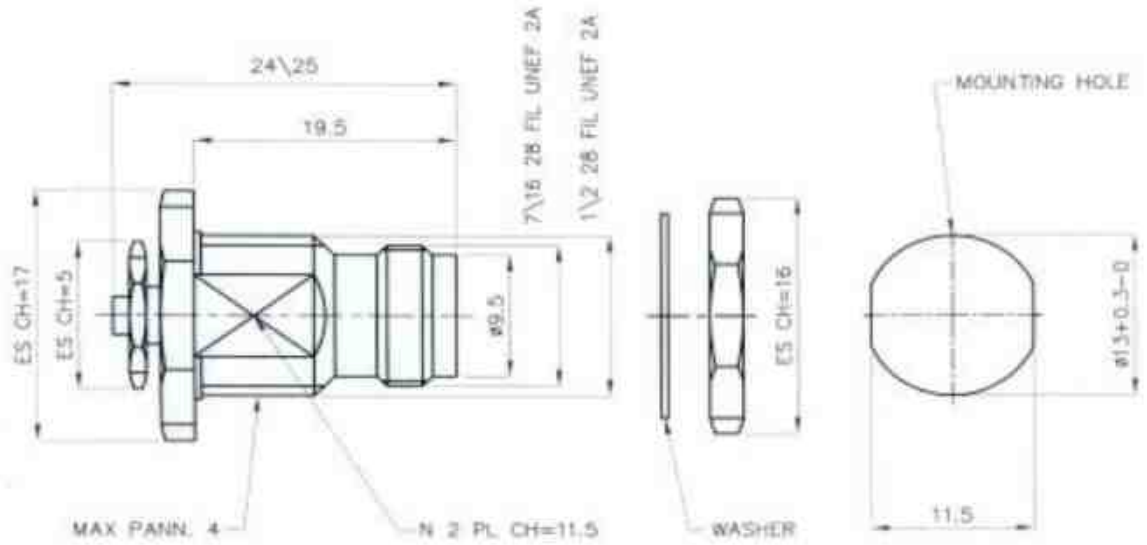


Fig.25

P/N ELT 201823

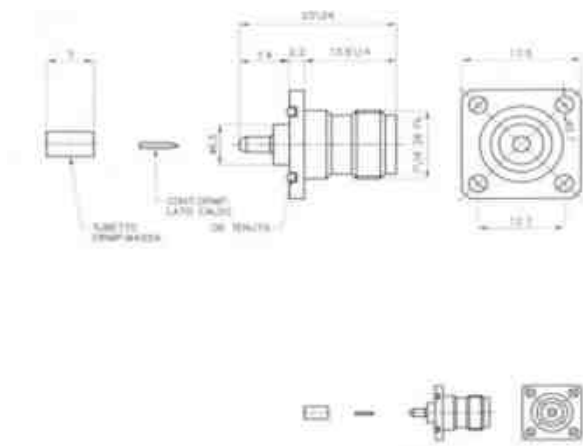
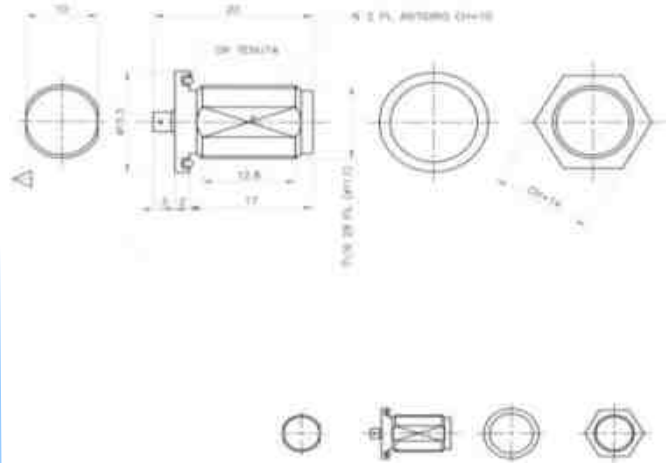


Fig.26

P/N MR201635TP



P/N MR201823LV

Fig.27

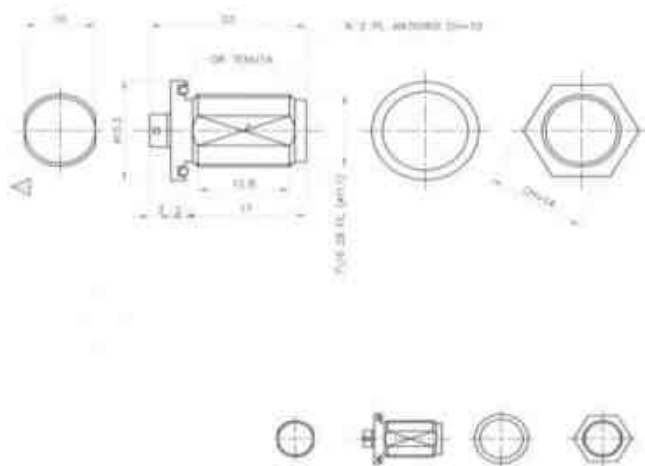
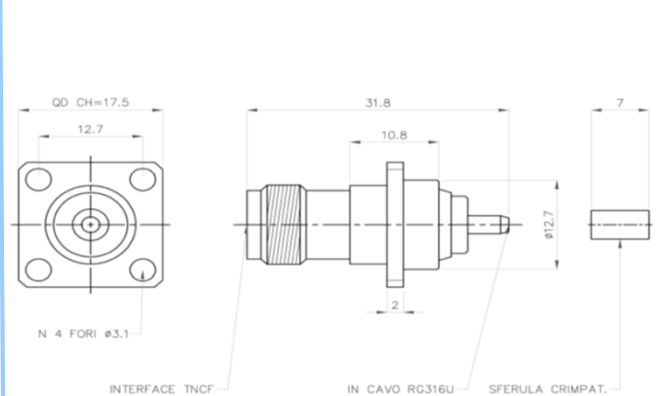


Fig.28

P/N MR201836LV



P/N 201635TP

Fig.29

# DRAWINGS TNC

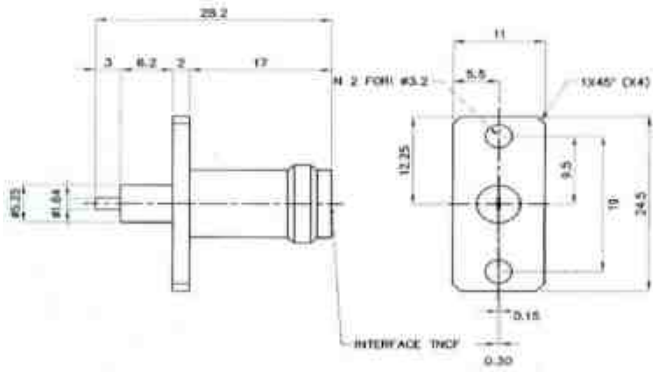
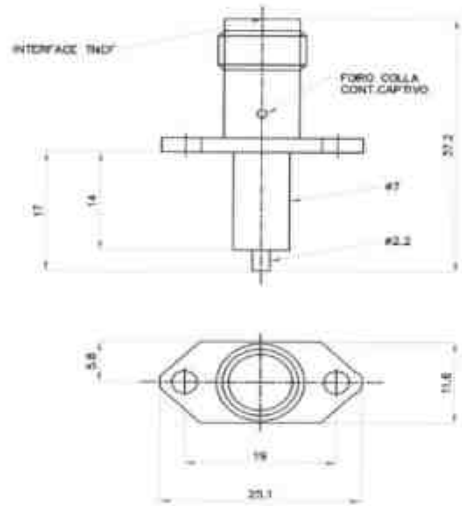


Fig.30

P/N 2015LSMS



P/N MR201519LS

Fig.31

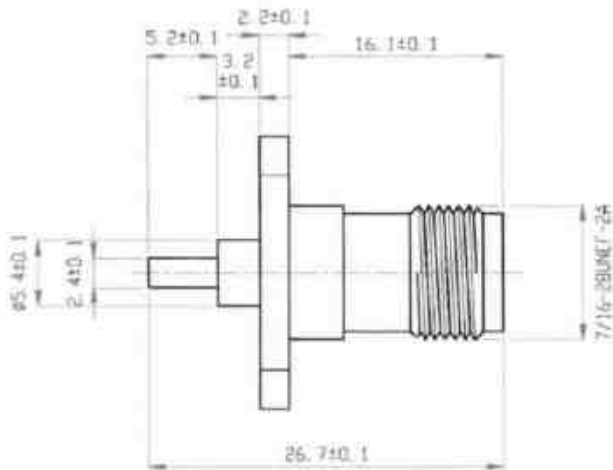


Fig.32

P/N 201500LSIT

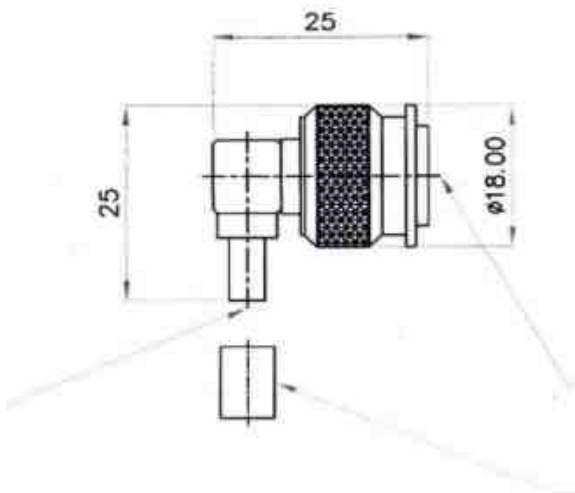
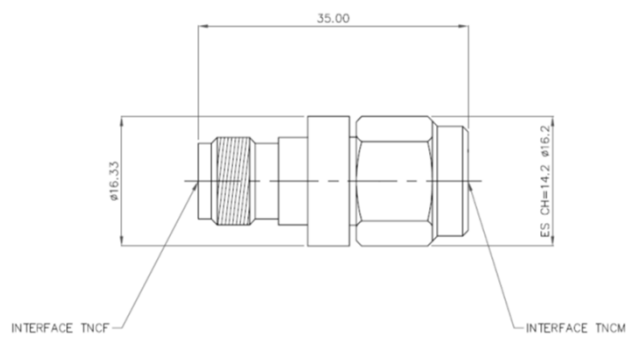


Fig.33

P/N 202456TPDSSO



P/N 2023201TH

Fig.34

# TNC

REVERSE POLARITY

COAXIAL CONNECTORS 50Ω



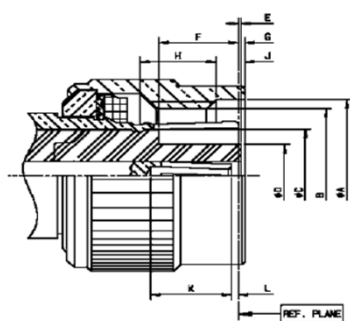
# TECHNICAL INFORMATIONS TNC REVERSE POLARITY

		notes
Frequency range	DC ÷ 4 GHz	
VSWR	1.30 Max	angle 1.35 Max
Impedance	50Ω	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤1.5 mΩ	
	outer ≤1.0 mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-212,method 213,condition G	
Interface dimensions	Europe: CECC 22200	
	USA: MIL-C-39012	
	MIL-STD-348A/313 (TNC interface )	

Above, are typical characteristics of TNC reverse polarity connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

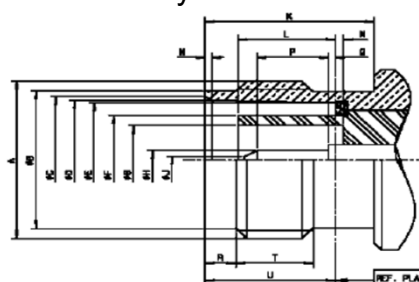
## INTERFACE

Male body - Female contact



Lettera	mm	
	min.	max.
A DIA	11.18	
B	7/16-28 UNEF-2B	
C DIA	7	
D DIA		4.72
E	0.03	0.53
F	5.28	5.79
G		1.98
H	3.96	
J	1.6	
K	4.95	
L	0.61	1.12

Female body - male contact



Lettera	mm	
	min.	max.
A	7/16-UNEF-2A	
B DIA	9.6	9.68
C DIA	8.79	9.04
D DIA	8.31	8.46
E DIA	8.1	8.15
F DIA	-	6.4
G DIA	4.63	
H DIA	1.32	1.37
J DIA		0.64
K	10.52	
L	4.78	5.28
M	0.53	1.04
N	0.38	0.75
P	1.98	
Q	0	0.25
R	1.73	2.24
T	4.75	
U	8.31	8.51



# FLEXIBLE CABLE CONNECTORS

## STRAIGHT MALE BODY-FEMALE CONTACT CRIMP



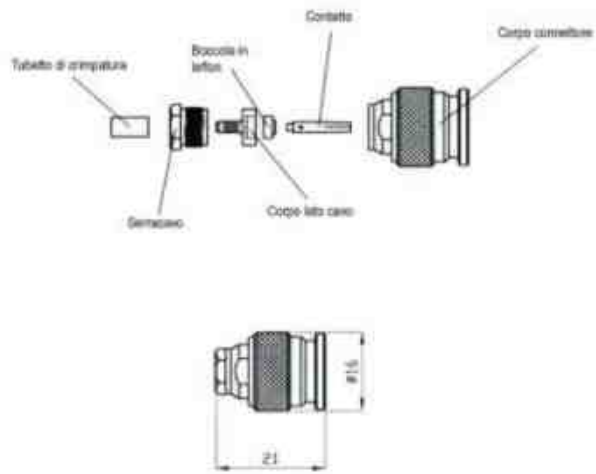
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
MR081035TPDSL	TNC R.P. female contact for double screen RG 316	50 Ω		1

## STRAIGHT PANEL FEMALE BODY-MALE CONTACT CRIMP



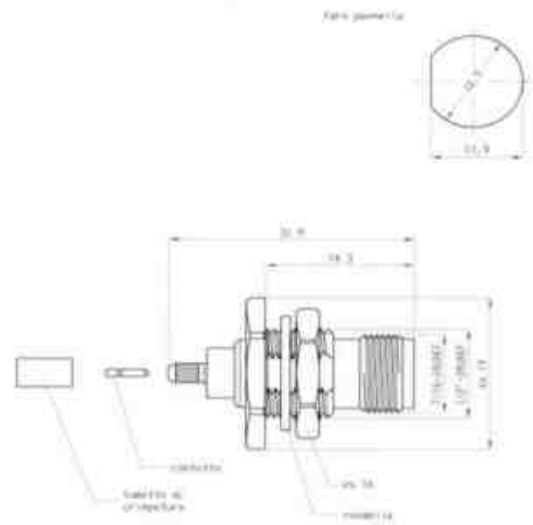
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
MR082835TPDSL	TNC R.P. male contact for double screen RG 316	50 Ω	bulkhead	2

# DRAWINGS TNC REVESE POLARITY



**Fig.1**

**P/N MR081035TPDSL**



**P/N MR082835TPDSL**

**Fig.2**

**Fig.3**

**P/N**

**P/N**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

# N

## COAXIAL CONNECTORS 50Ω / 75Ω



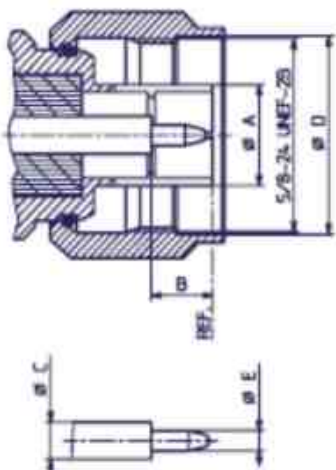
# TECHNICAL INFORMATIONS N 50 Ω

		notes
Frequency Range	DC ÷ 11 GHz	for applications with flexible cables
	DC ÷ 18 GHz (angle connectors, max 12,4 GHz)	for applications with semirigid cables
VSWR	1.2 MAX	DC -11 GHz
	1.3 MAX	DC -18 GHz
Impedance	50 Ω	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.0$ mΩ	
	outer $\leq 1.0$ mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-202,method 213,condition I	
Interface dimensions	Europe: CECC 22210	
	USA: MIL-STD-348A/304	
	International: IEC 61169-16	

Above, are typical characteristics of N 50 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

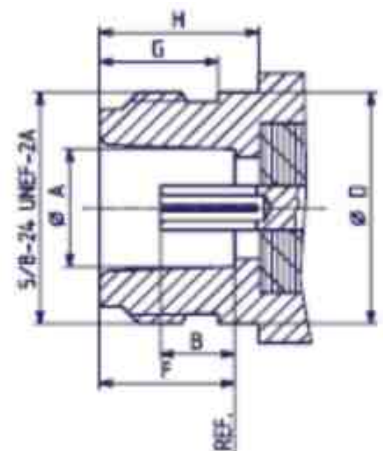
## INTERFACE

### Plug (male)



	Plug		Jack	
	min.	max.	min.	max.
A	-	8.38/.330	8.03/.316	8.13/.320
B	5.33/.210	5.84/.230	4.75/.187	5.26/.207
C	-	3.15/.124	-	3.15/.124
D	16.00/.630	-	-	15.93/.627
E	1.60/.063	1.68/.066	5.33/.210	-
F	-	-	9.04/.356	9.19/.362
G	-	-	6.76/.266	-
H	-	-	10.72/.422	-

### Jack (female)



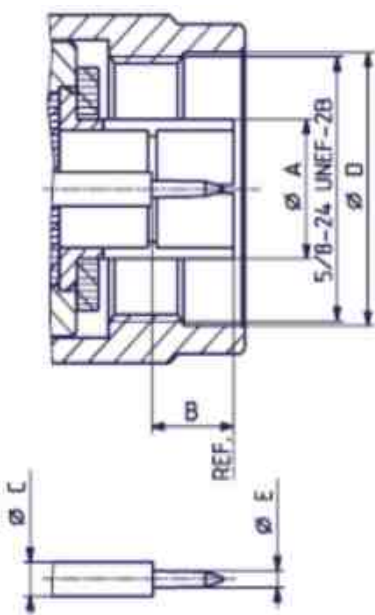
# TECHNICAL INFORMATIONS N 75 Ω

		notes
Frequency range	DC ÷ 1,5 GHz	
VSWR	1.3 MAX	
Impedance	75 Ω	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.0$ mΩ	
	outer $\leq 1.0$ mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-202,method 213,condition I	
Interface dimensions	Europe: CECC 22210	
	USA: MIL-STD-348A/304	
	International: IEC 61169-16	

Above, are typical characteristics of N 75 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

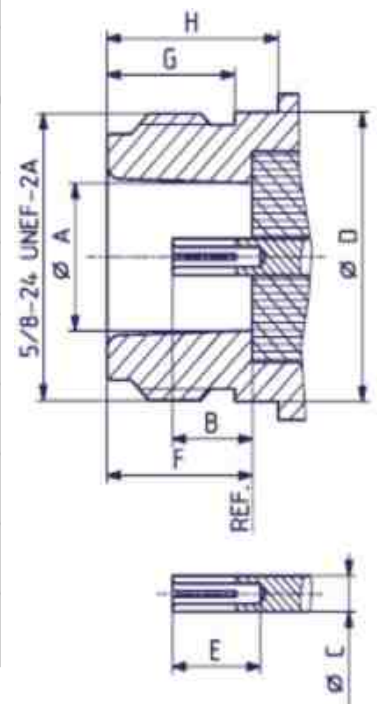
## INTERFACE

### Plug (male)



	Plug		Jack	
	min.	max.	min.	max.
A	-	8.38/.330	8.03/.316	8.13/.320
B	5.33/.210	5.84/.230	4.75/.187	5.26/.207
C	-	2.00/.079	-	2.00/.079
D	16.00/.630	-	-	15.93/.627
E	1.00/.039	1.05/.041	5.33/.210	-
F	-	-	9.04/.356	9.19/.362
G	-	-	6.76/.266	-
H	-	-	10.72/.422	-


### Jack (female)



# FLEXIBLE CABLE CONNECTORS 50Ω / 75Ω


## STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302016	N m for RG 14-217	50 Ω		
302022	N m for RG 17-218	50 Ω		93
302027	N m for ECOFLEX 15/LMR600	50 Ω	low loss	64
302028	N m for RG 19-220	50 Ω		
302056	N m for RG 58-141-142-223-303	50 Ω		12
302064	N m for RG 59	75 Ω		
302090	N m for GE 18 cable	50 Ω		100
3020117	N m for RG 11-13-216	75 Ω		20
3020227	N m for cable Ø 22	75 Ω		94
3020857	N m for RG 6	75 Ω		
302011B	N m for RG 8-9-115-213-214	50 Ω	economic type	1
302011D 	N m for RG 8-9-115-213-214	50 Ω	military type	
302011LV	N m for RG 8-9-115-213-214	50 Ω	precision type	2
302011SO	N m for RG 8-9-115-213-214	50 Ω	snap-on	
302011TR	N m for RG 214-213	50 Ω	straight change on right angle 90°	5
302012HFX	N m for 1/2" flex	50 Ω	no corrugated, 6 GHz max	99
302085D	N m for RG 5-212	50 Ω		

## STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302011TP	N m for RG 8-9-115-213	50 Ω		3
302011TPDS	N m for RG 214	50 Ω		4
302011TPTW	N m for LMR 400	50 Ω	low loss	95
302027TP	N m for LMR 600	50 Ω	low loss	96
3020357TP	N m for RG 179-187	75 Ω		
302035TP	N m for RG 174-188-316	50 Ω		65
302046TP	N m for ST 214	75 Ω		66
302049TP	N m for ST 212	75 Ω		67
302056TP	N m for RG 58-141-142-223-303	50 Ω		13
302064TP	N m for RG 59	75 Ω		
302087TP 	N m for S04272B Suhner-H 155 Belden	50 Ω	low loss	68

## STRAIGHT PANEL PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3026117	N m for RG 11-13-216	75 Ω	flange 25,4x25,4	
302611SO	N m for RG 8-9-115-213-214	50 Ω	flange 25,4x25,4 snap-on	


## RIGHT ANGLE 90° PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302456	N m for RG 58-141-142-223-303	50 Ω		18
302464	N m for RG 59-62-71	75 Ω		
302485	N m for RG 5-212	50 Ω		




## RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302411TP	N m for RG 8-9-115-213	50 Ω		69
302411TPDS	N m for RG 214	50 Ω		
3024357TP	N m for RG 179-187	75 Ω		
302435TP	N m for RG 174-188-316	50 Ω		17
302456TP 	N m for RG 58-141-142-223-303	50 Ω		19


## STRAIGHT JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301022	N f for RG 17-218	50 Ω		26
301056	N f for RG 58-141-142-223-303	50 Ω		29
3010117	N f for RG 11-13-216	75 Ω		
301011D 	N f for RG 8-9-115-213-214	50 Ω		21


## STRAIGHT JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301011TP 	N f for RG 8-9-115-213	50 Ω		
301011TPDS	N f for RG 214	50 Ω		22
3010357TP	N f for RG 179-187	75 Ω		
301035TP	N f for RG 174-188-316	50 Ω		
301056TP	N f for RG 58-141-142-223-303	50 Ω		30
301087TP	N f for S04272B Suhner-H 155 Belden	50 Ω	low loss	43


## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301611 	N f for RG 8-9-115-213-214	50 Ω	flange 25,4x25,4	33
301656	N f for RG 58-141-142-223-303	50 Ω	flange 25,4x25,4	54
301664	N f for RG 59	75 Ω	flange 25,4x25,4	
301856	N f for RG 58-141-142-223-303	50 Ω	bulkhead	
301864	N f for RG 59	75 Ω	bulkhead	
301885	N f for RG 5-212	50 Ω	bulkhead	60
3016117	N f for RG 11-13-216	75 Ω	flange 25,4x25,4	40
3016857	N f for RG 6	75 Ω	flange 25,4x25,4	
3018117	N f for RG 11-13-216	75 Ω	bulkhead	
3018857	N f for RG 6	75 Ω	bulkhead	
301611DSO	N f for RG 8-9-115-213-214	50 Ω	flange 25,4x25,4 snap-on	
301656CP	N f for RG 58-141-142-223-303	50 Ω	fl. 25,4x25,4 captivated contact	
301685D	N f for RG 5-212	50 Ω	flange 25,4x25,4	
301811D	N f for RG 8-9-115-213-214	50 Ω	bulkhead	
301811LV	N f for RG 8-9-115-213-214	50 Ω	bulkhead - precision	

## STRAIGHT PANEL JACKS (F) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3016117TP	N f for RG 11-13-216	75 Ω	flange 25,4x25,4	
301611TP	N f for RG 8-9-115-213	50 Ω	flange 25,4x25,4	
301611TPDS	N f for RG 214	50 Ω	flange 25,4x25,4	
3016357TP	N f for RG 179-187	75 Ω	flange 25,4x25,4	
301635TP	N f for RG 174-188-316	50 Ω	flange 25,4x25,4	34
301656TP 	N f for RG 58-141-142-223-303	50 Ω	flange 25,4x25,4	36
3018117TP	N f for RG 11-13-216	75 Ω	bulkhead	
301811TP	N f for RG 8-9-115-213-214	50 Ω	bulkhead	
3018357TP	N f for RG 179-187-75	75 Ω	bulkhead	
301835TP	N f for RG 174-188-316	50 Ω	bulkhead	37
301856TP	N f for RG 58-141-142-223-303	50 Ω	bulkhead	38

## CORRUGATED CABLE CONNECTORS 50Ω / 75Ω


### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302013	N m for 3/8" foam	50 Ω		9
302014	N m for 1/4" foam	50 Ω		62
302038	N m for 3/8" air	50 Ω		11
3020127H	N m for 1/2" superflex	75 Ω		
3020127RP	N m for 1/2" foam	75 Ω		
302012A	N m for 1/2" air	50 Ω		
302012H	N m for 1/2" superflex	50 Ω		7
302012HS	N m for 1/2" superflex	50 Ω	solder with station 500 watts	88
302012RP 	N m for 1/2" foam	50 Ω	quick coupling	8
302013H	N m for 3/8" superflex	50 Ω		61
302014H	N m for 1/4" superflex	50 Ω		63
302015A	N m for 1"5/8 air	50 Ω		
3020787RP	N m for 7/8" foam	75 Ω		78
302078A	N m for 7/8" air	50 Ω		15
302078RP	N m for 7/8" foam	50 Ω		14


### RIGHT ANGLE 90° PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302412 	N m for 1/2" foam	50 Ω		16
302414	N m for 1/4" foam	50 Ω		71
302412H	N m for 1/2" superflex	50 Ω		70


## STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301014	N f for 1/4" foam	50 Ω		25
301015	N f for 1"5/8 foam	50 Ω		42
301038	N f for 3/8" air	50 Ω		27
3010127	N f for 1/2" foam	75 Ω		
3010787	N f for 7/8" foam	75 Ω		
301012H	N f for 1/2" superflex	50 Ω		23
301012HS	N f for 1/2" superflex	50 Ω	solder with station 500 watts	
301012RP 	N f for 1/2" foam	50 Ω	quick coupling	24
301015A	N f for 1"5/8 air	50 Ω		
301078A	N f for 7/8" air	50 Ω		
301078RP	N f for 7/8" foam	50 Ω		32

## STRAIGHT PANEL JACKS (F)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301638	N f for 3/8" air	50 Ω	flange 32x32	35
301814 	N f for 1/4" foam	50 Ω	bulkhead	57
301612RP	N f for 1/2" foam	50 Ω	flange 32x32	53
301812RP	N f for 1/2" foam	50 Ω	bulkhead - quick coupling	

# SEMIRIGID CABLE CONNECTORS 50Ω / 75Ω

## STRAIGHT PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302023	N m for UT.085	50 Ω		
302036 	N m for UT.141	50 Ω		10
302065	N m for UT.250	50 Ω		89
302036LV	N m for UT.141	50 Ω	stainless steel - precision	
302065LV	N m for UT.250	50 Ω	stainless steel - precision	

## STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301023	N f for UT.085	50 Ω		
301036	N f for UT.141	50 Ω		
301065	N f for UT.250	50 Ω		
301089	N f for UT.047	50 Ω		

## STRAIGHT PANEL JACKS (F)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301623	N f for UT.085	50 Ω	flange 25,4x25,4	
301636SH	N f for UT.141	50 Ω	flange 25,4x25,4	98
301665	N f for UT.250	50 Ω	flange 25,4x25,4	90
301865	N f for UT.250	50 Ω	bulkhead	39
301623LV	N f for UT.085	50 Ω	flange 17,5x17,5 AISI 303	85
301823GX	N f for UT.085	50 Ω	all threaded	58
301836LV 	N f for UT.141	50 Ω	bulkhead	59
MR301836LV2	N f for UT.141	50 Ω		

## RECEPTACLES WITH SOLDER END


### STRAIGHT PANEL PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
302518	N m solder contact	50 Ω	flange 17,5x17,5	72
302525 	N m solder contact	50 Ω	flange 25,4x25,4	
302500ST	N m strip line contact	50 Ω	flange 25,4x25,4	
302525CF25	N m threaded contact 25 mm	50 Ω	flange 25,4x25,4	
302532BD	N m Bird contact	50 Ω	flange 31,7x31,7	97



### RIGHT ANGLE 90° PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301425 	N f solder contact	50 Ω	flange 25,4x25,4	44
301425CF20	N f threaded contact 20 mm	50 Ω	flange 25,4x25,4	45

## STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
301518	N f solder contact	50 Ω	flange 17,5x17,5	47
301525 	N f solder contact	50 Ω	flange 25,4x25,4	49
301532	N f solder contact	50 Ω	flange 32x32	
301700 	N f solder contact	50 Ω	bulkhead	55
3015257	N f solder contact	75 Ω	flange 25,4x25,4	74
301535	N f solder contact	50 Ω	flange 35x35	
301513MS	N f microstrep contact	50 Ω	flange 12,7x12,7	46
301518CL	N f custom lenght contact	50 Ω	flange 17,5x17,5	48
301525CF20	N f threaded contact 20 mm	50 Ω	flange 25,4x25,4	50
301532BD	N f Bird contact	50 Ω	flange 31,7x31,7	51
301532CF20	N f threaded contact 20 mm	50 Ω	flange 32x32	52
3017M14	N f solder contact	50 Ω	threaded body M14	6
301800RC	N f solder contact	50 Ω	bulkhead	56
MR301525	N f solder contact	50 Ω	circular flange	91

## ROTARY JOINT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
GR3015301	Rotary joint N f-N f DC/3 GHz	50 Ω	square flange	41



## ADAPTERS    N - N



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013301	N f - N f	50 Ω		73
3015301	N f - N f panel mount	50 Ω	square flange	75
3017301	N f - N f panel mount	50 Ω	bulkhead	76
3023301	N m - N f	50 Ω		79
3023302	N m - N m	50 Ω		80
3024301	N m L N f	50 Ω	right angle 90°	82
30090111	N f - f - f	50 Ω	T adapters	92
30090121	N f - m - f	50 Ω	T adapters	83
30133017	N f - N f	75 Ω		84
30153017	N f - N f panel mount	75 Ω	square flange	
30173017	N f - N f panel mount	75 Ω	bulkhead	77
30233027	N m - N m	75 Ω		
3013301LV	N f - N f	50 Ω	square flange-stainless steel	
3013301IX	N f - N f	50 Ω	stainless steel - precision	
3023301LV	N m - N f	50 Ω	stainless steel - precision	
3023302LV	N m - N m	50 Ω	stainless steel - precision	81

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT





<i>P.N. GENEX RF</i>	<i>Description</i>		<i>Notes</i>	<i>Fig.</i>
CC3010	Short N f	n.a.		86
CC3020	Short N m	n.a.		87

## OPEN

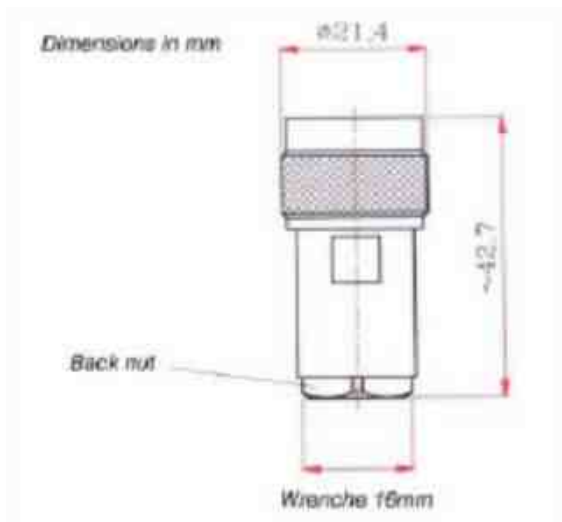
<i>P.N. GENEX RF</i>	<i>Description</i>		<i>Notes</i>	<i>Fig.</i>
CA3010	Open N f	n.a.		
CA3020	Opent N m	n.a.		

## PROTECTIVE CAPS



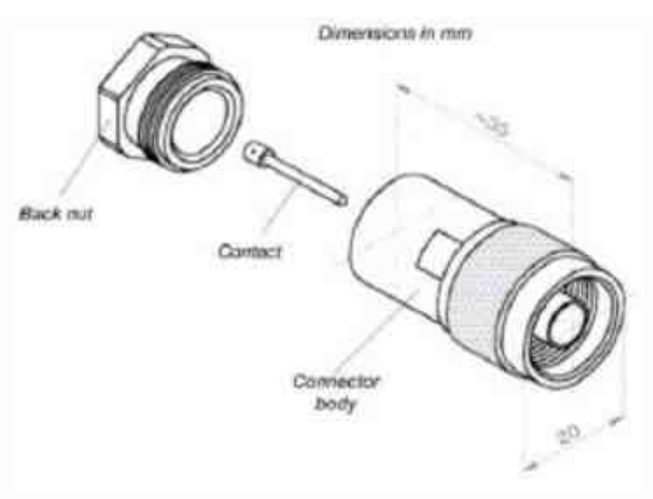
<i>P.N. GENEX RF</i>	<i>Description</i>		<i>Notes</i>	<i>Fig.</i>
T3010 	Protective cap for N m	n.a.		28
T3020 	Protective cap for N f	n.a.		31

# DRAWINGS N



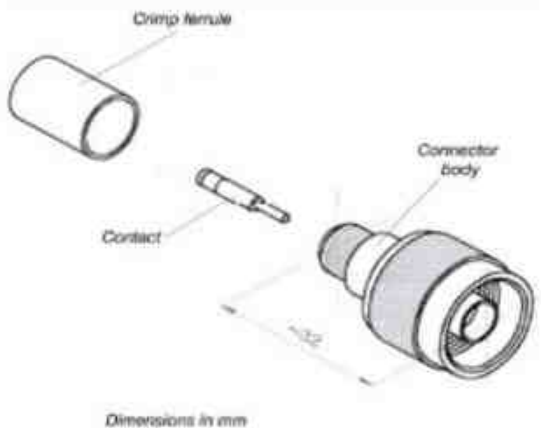
**Fig.1**

**P/N 302011B**



**P/N 302011LV**

**Fig.2**



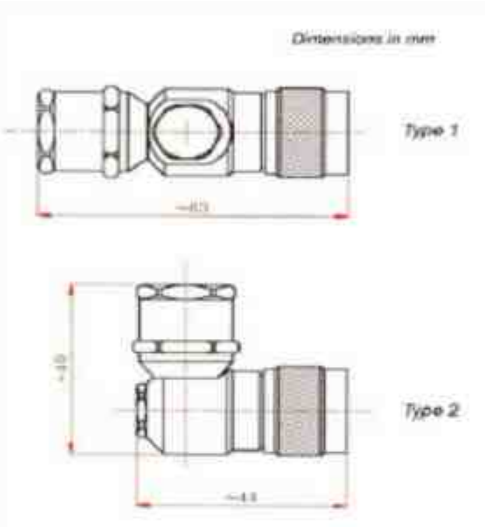
**Fig.3**

**P/N 302011TP**



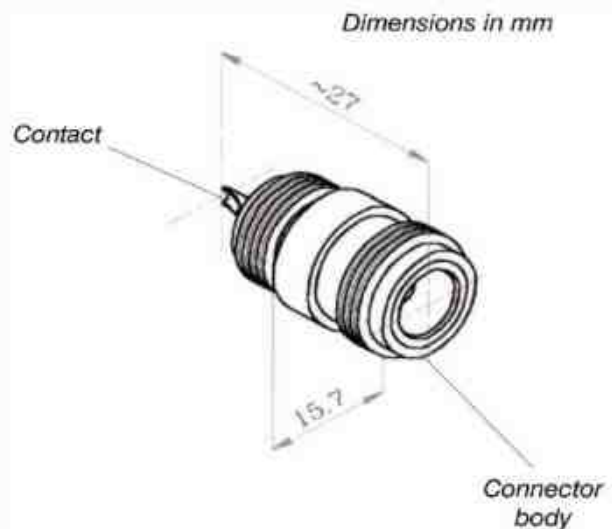
**P/N 302011TPDS**

**Fig.4**



**Fig.5**

**P/N 302011TR**



**P/N 3017M14**

**Fig.6**

# DRAWINGS N

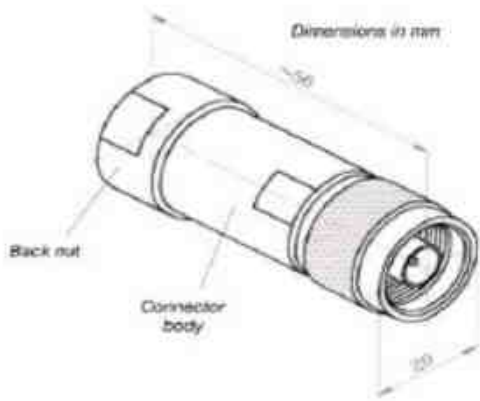
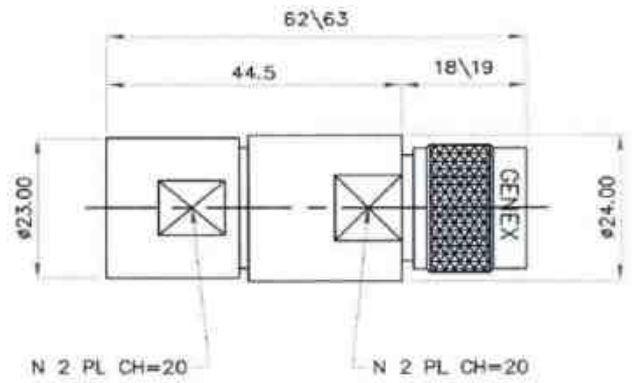


Fig.7

P/N 302012H



P/N 302012RP

Fig.8

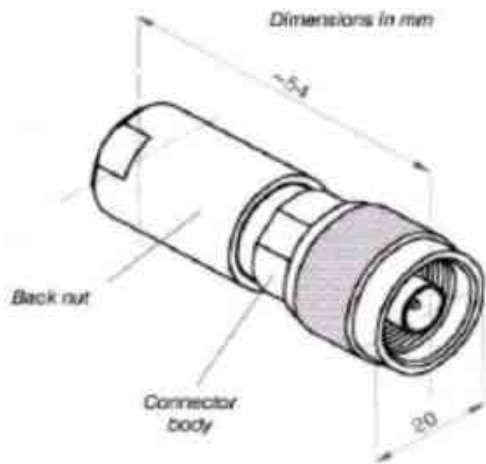
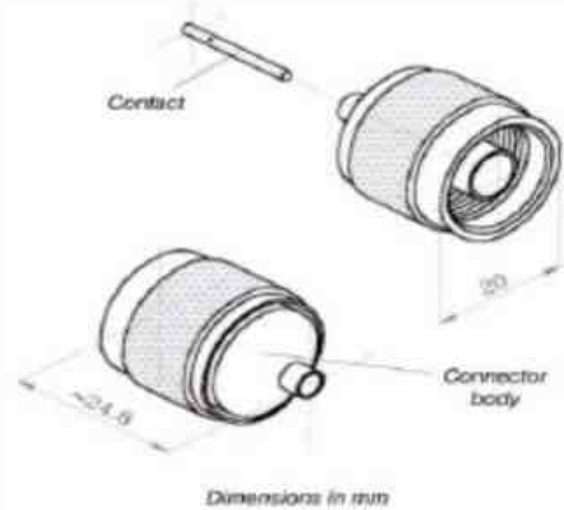


Fig.9

P/N 302013



P/N 302036

Fig.10

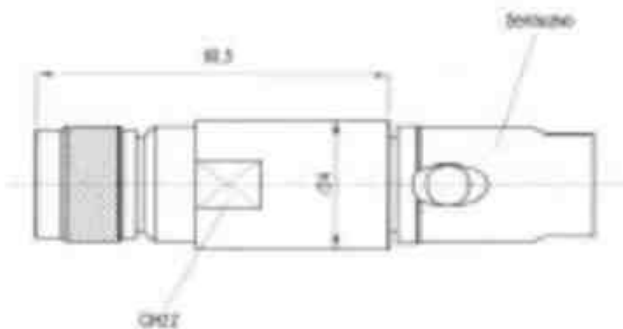
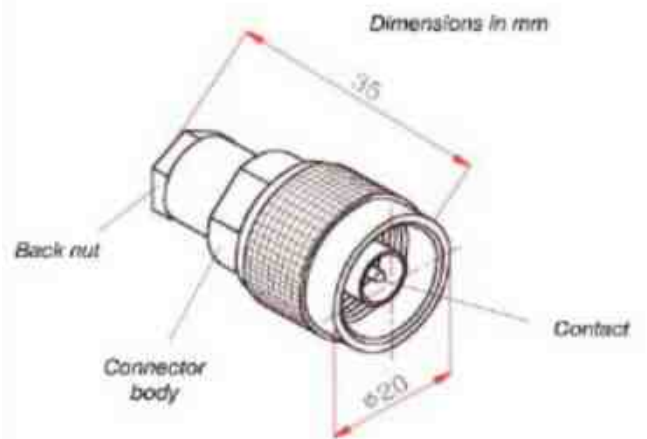


Fig.11

P/N 302038



P/N 302056

Fig.12

# DRAWINGS N

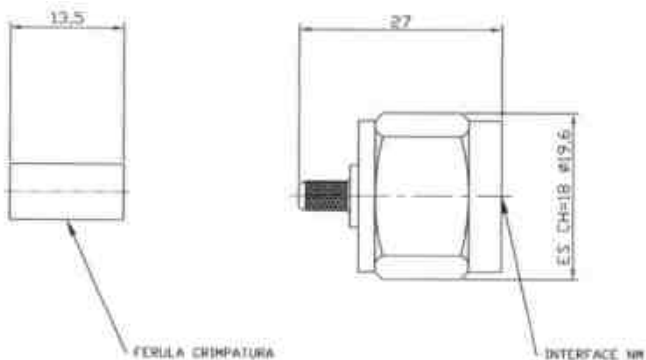
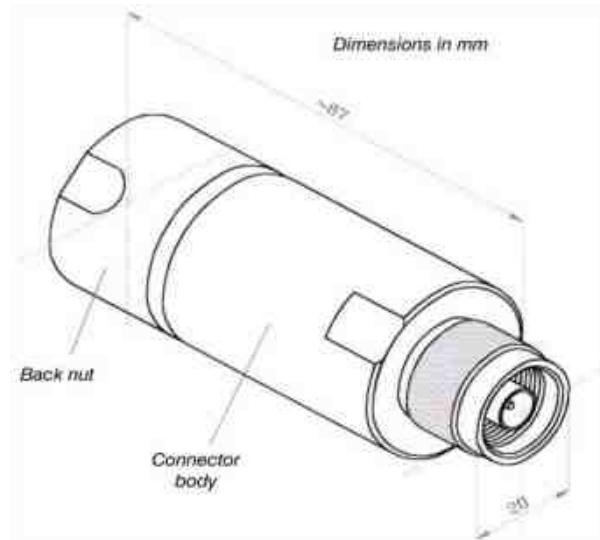


Fig.13

P/N 302056TP



P/N 302078RP

Fig.14

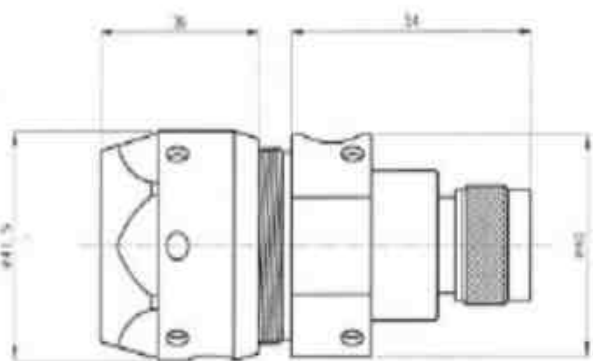
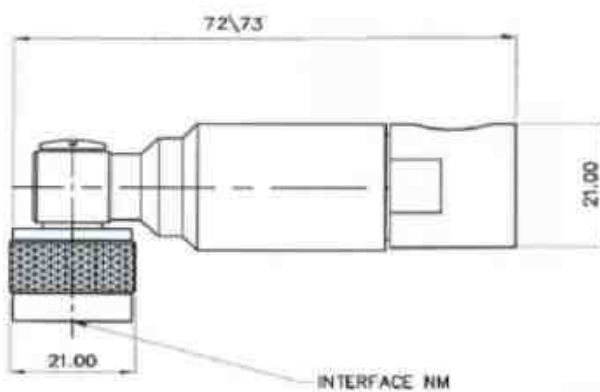


Fig.15

P/N 302078A



P/N 302412

Fig.16

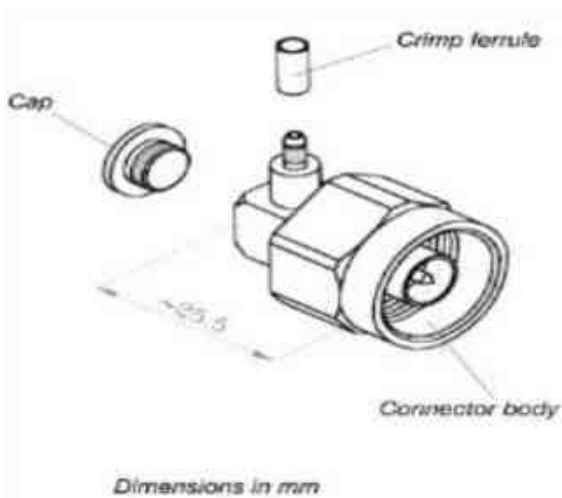
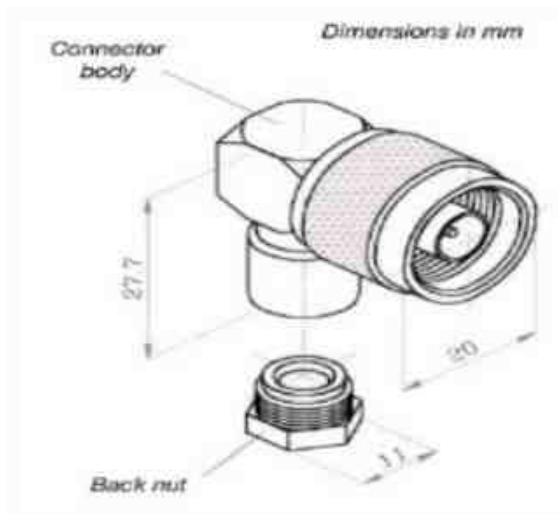


Fig.17

P/N 302435TP



P/N 302456

Fig.18

# DRAWINGS N

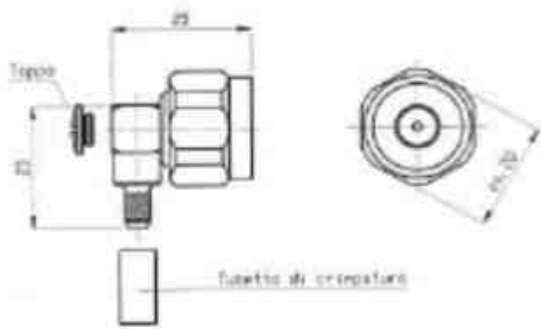
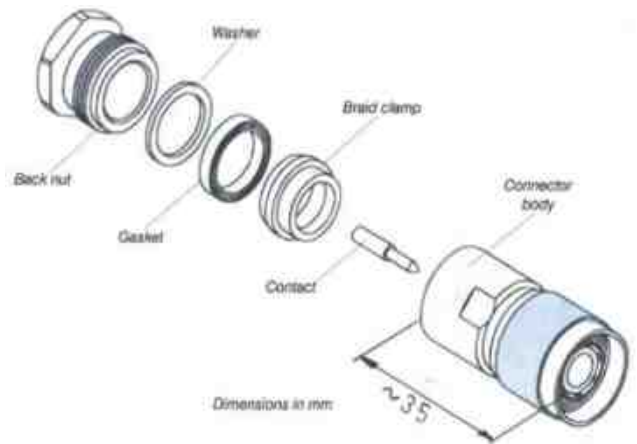


Fig.19

P/N 302456TP



P/N 3020117

Fig.20

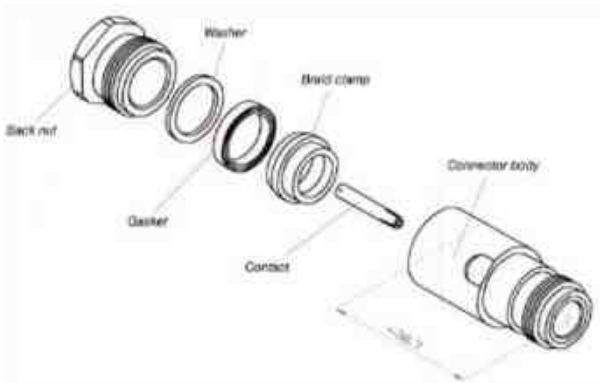
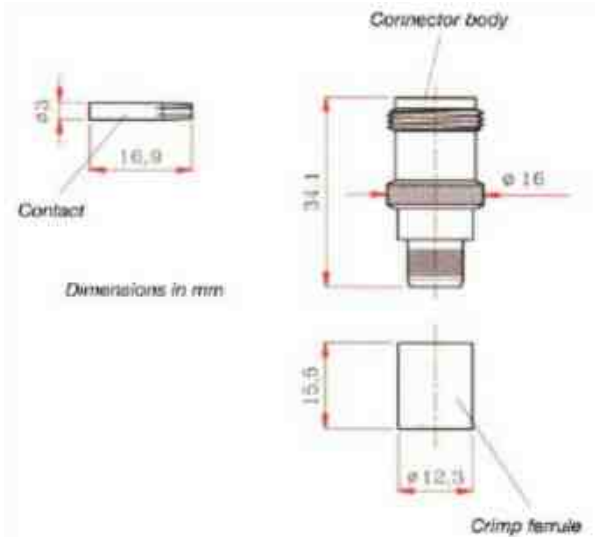


Fig.21

P/N 301011D



P/N 301011TPDS

Fig.22

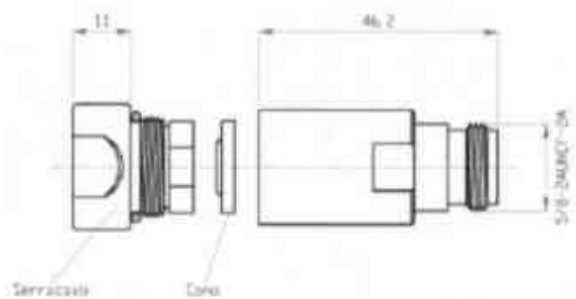
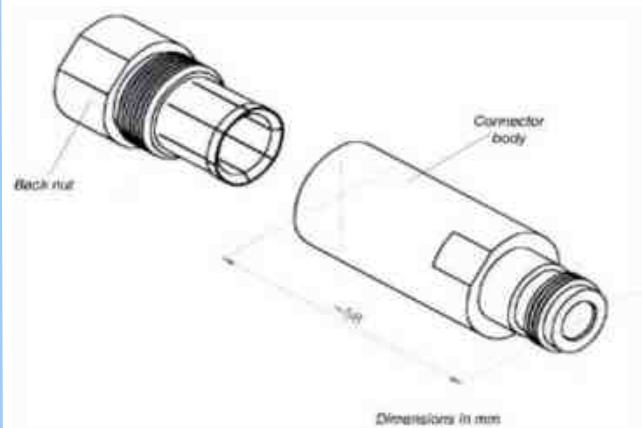


Fig.23

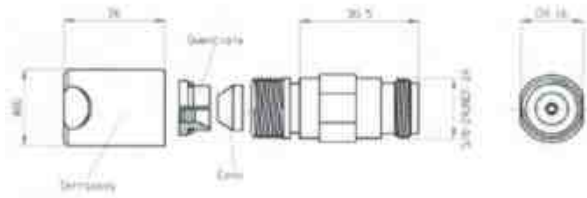
P/N 301012H



P/N 301012RP

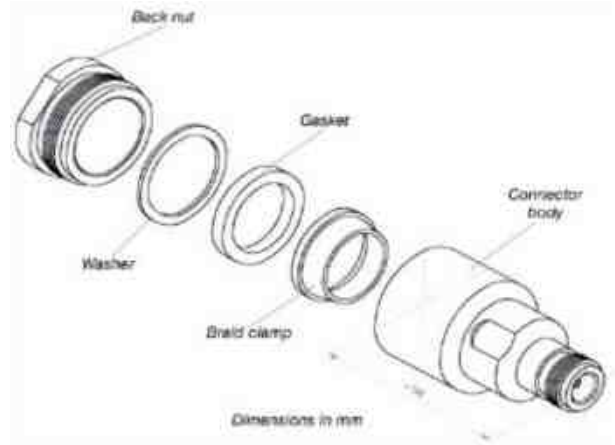
Fig.24

# DRAWINGS N



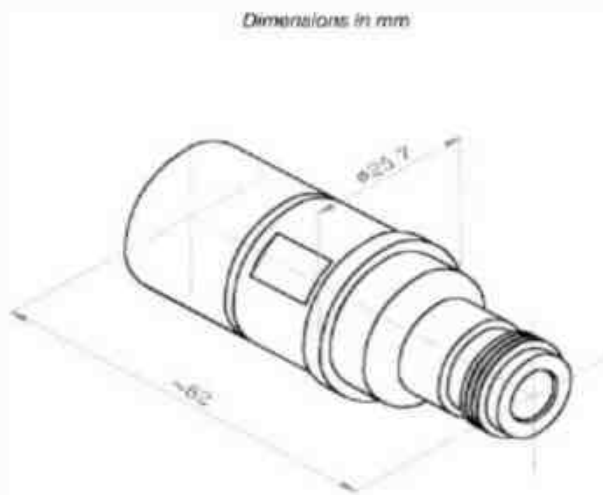
**Fig.25**

**P/N 301014**



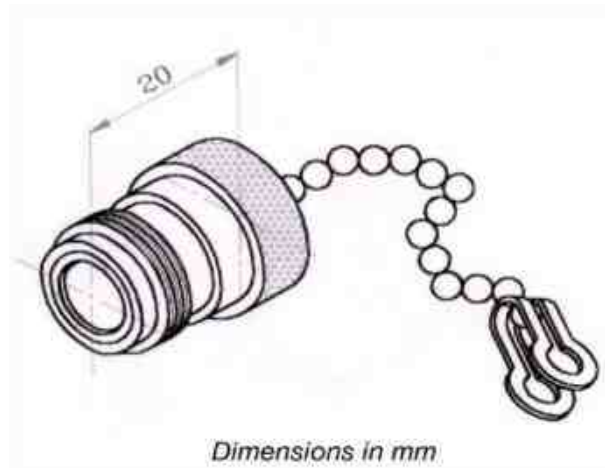
**P/N 301022**

**Fig.26**



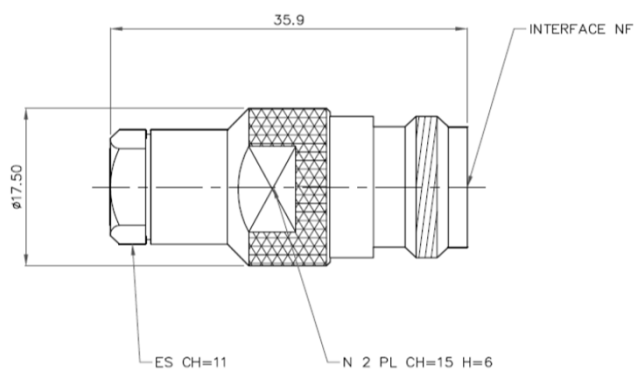
**Fig.27**

**P/N 301038**



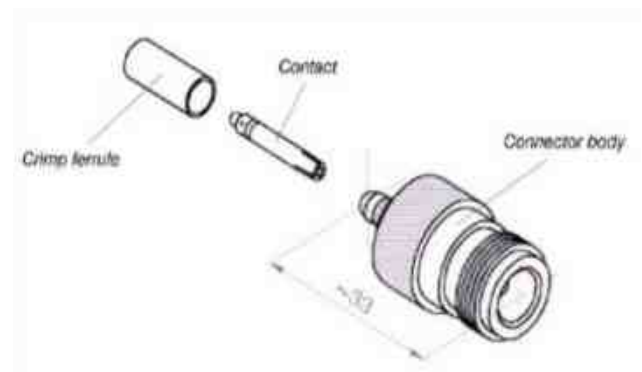
**P/N T3010**

**Fig.28**



**Fig.29**

**P/N 301056**



**P/N 301056TP**

**Fig.30**



# DRAWINGS N

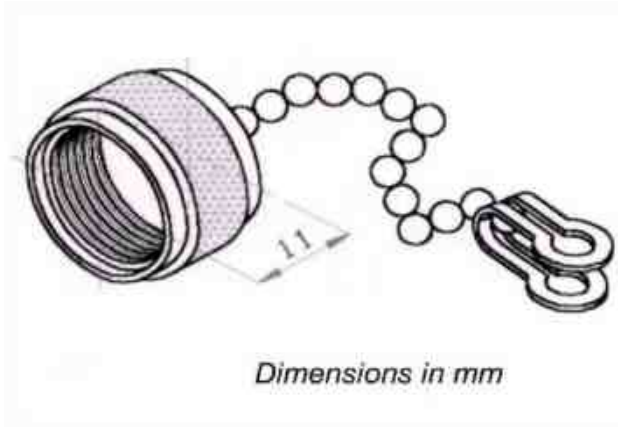
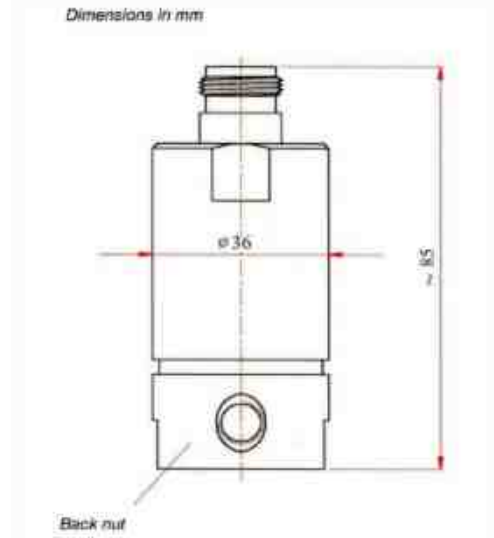


Fig.31

P/N T3020



P/N 301078RP

Fig.32

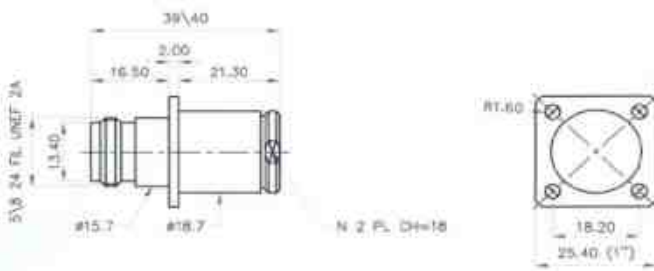
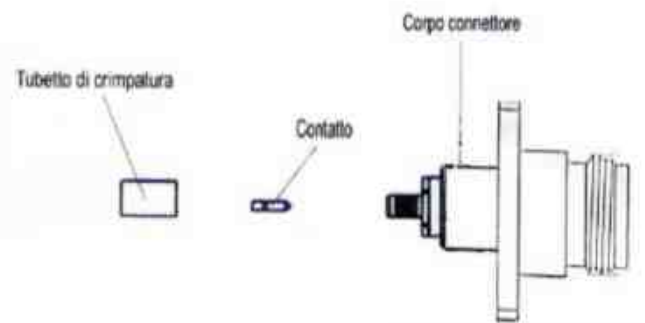


Fig.33

P/N 301611



P/N 301635TP

Fig.34

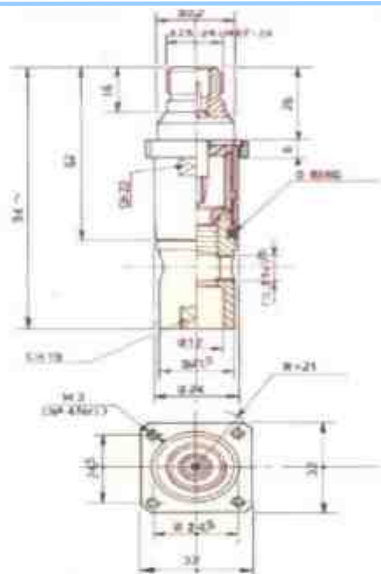
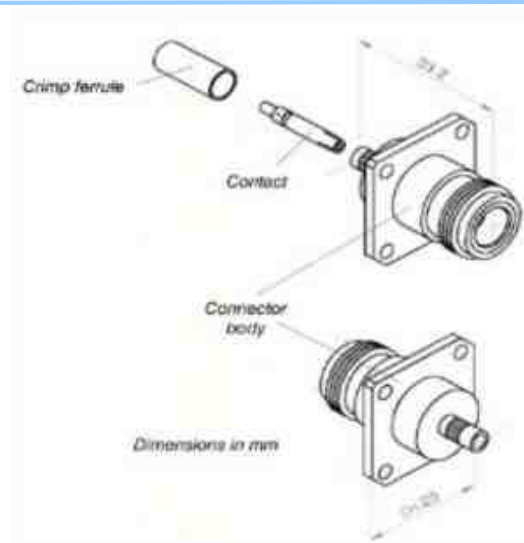


Fig.35

P/N 301638



P/N 301656TP

Fig.36

# DRAWINGS N

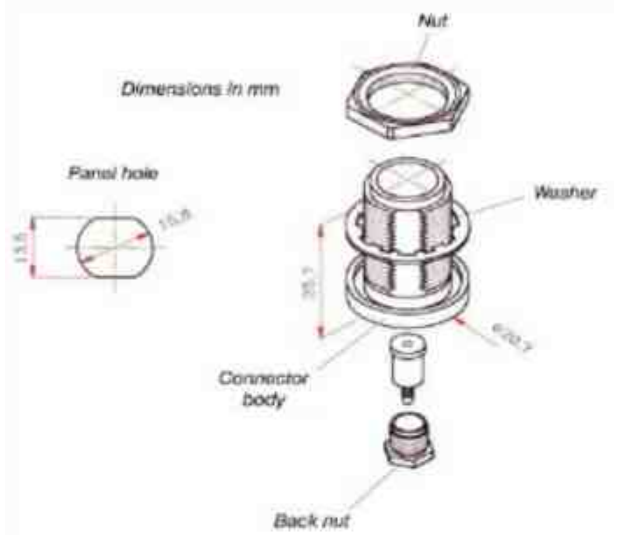
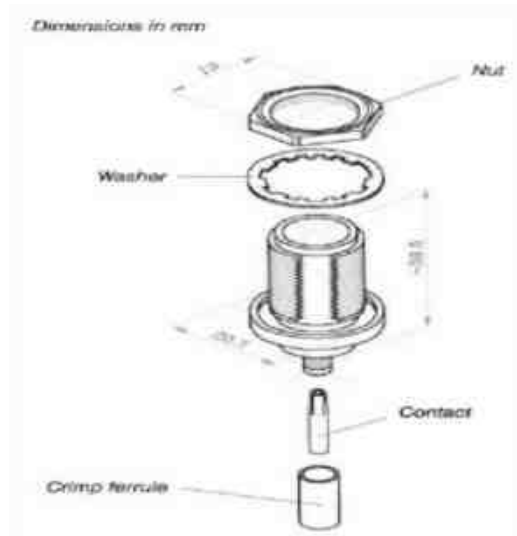


Fig.37

P/N 301835TP



P/N 301856TP

Fig.38

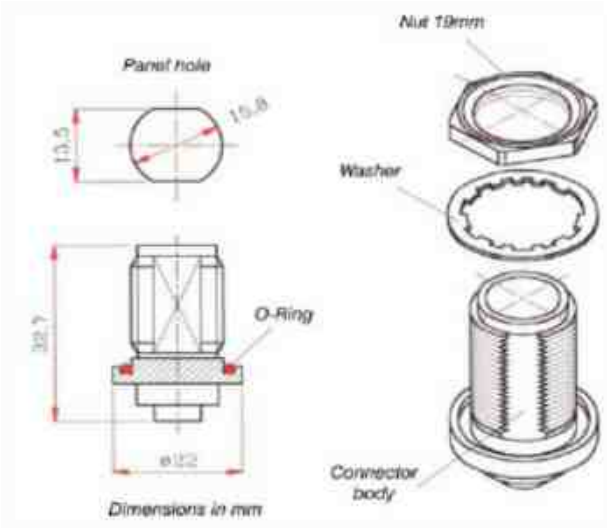
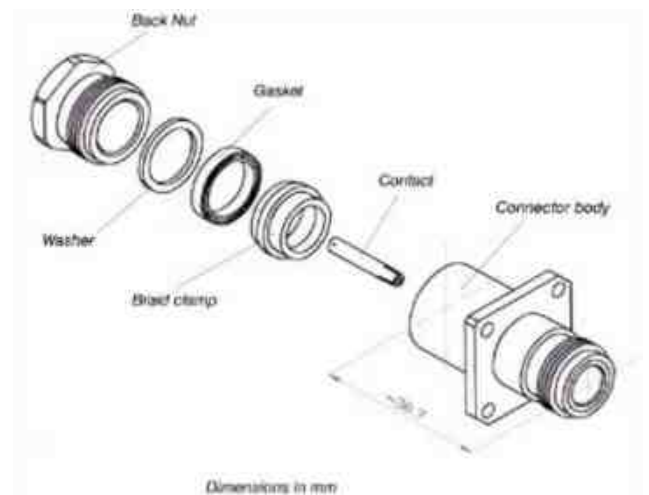


Fig.39

P/N 301865



P/N 3016117

Fig.40

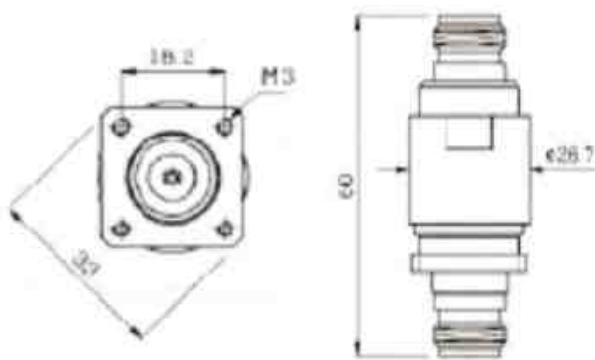
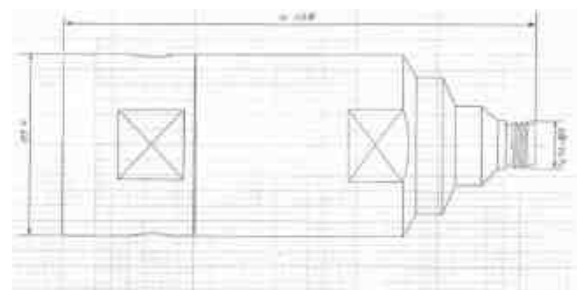


Fig.41

P/N GR3015301



P/N 301015

Fig.42

# DRAWINGS N

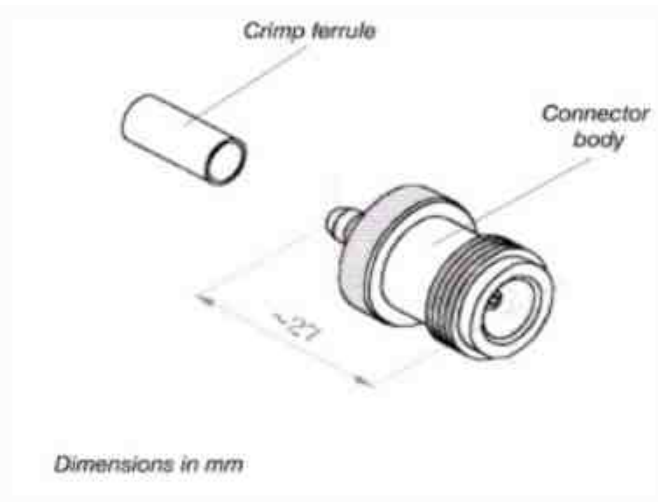
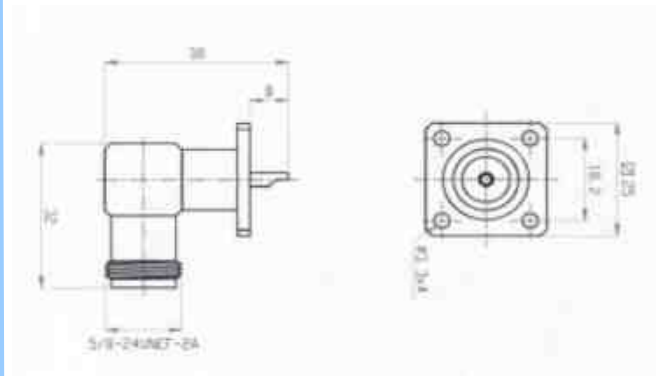


Fig.43

P/N 301087TP



P/N 301425

Fig.44

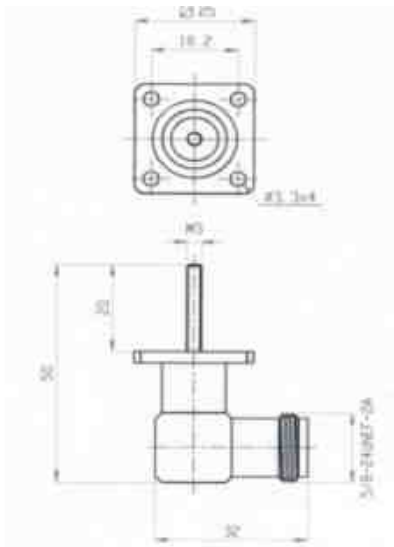
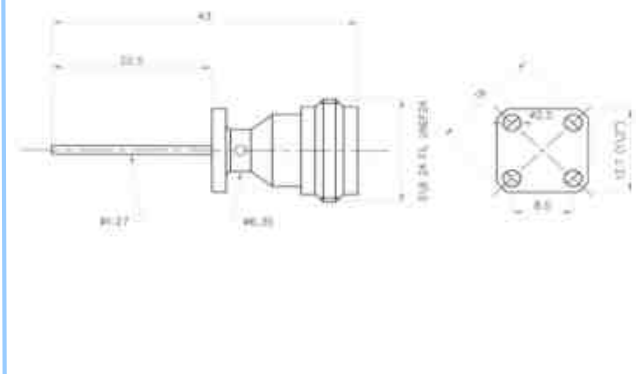


Fig.45

P/N 301425CF20



P/N 301513MS

Fig.46

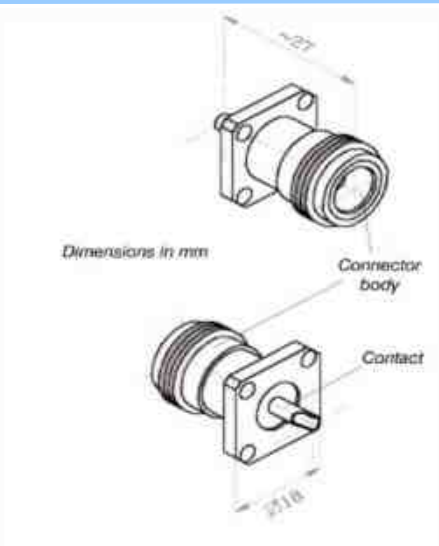
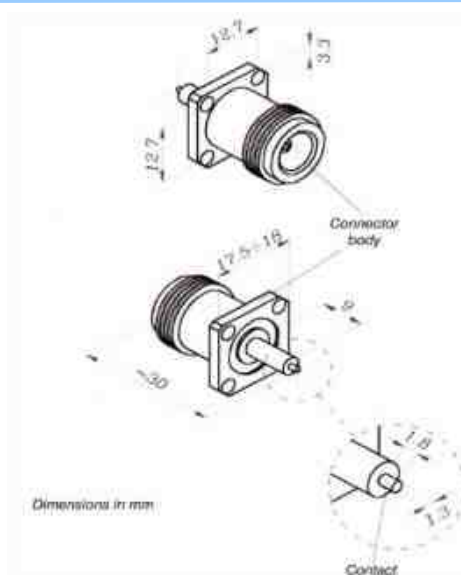


Fig.47

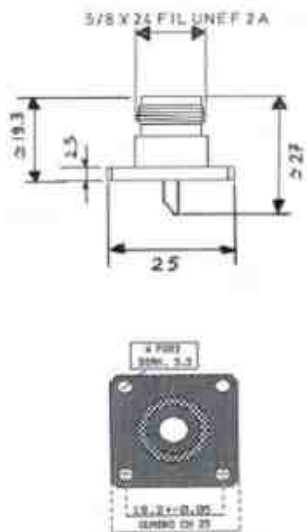
P/N 301518



P/N 301518CL

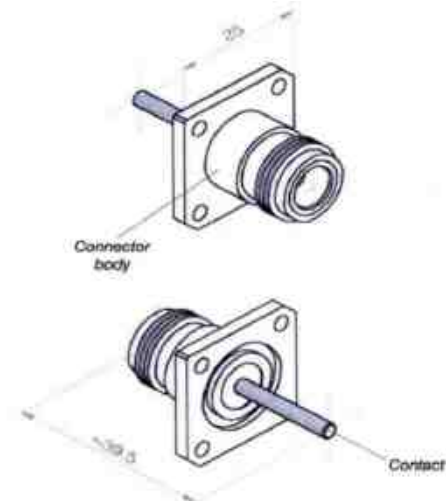
Fig.48

# DRAWINGS N



**Fig.49**

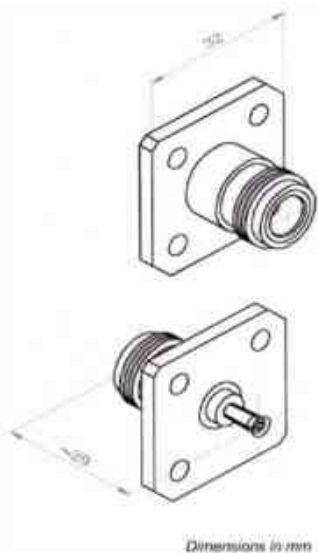
**P/N 301525**



*Dimensions in mm*

**P/N 301525CF20**

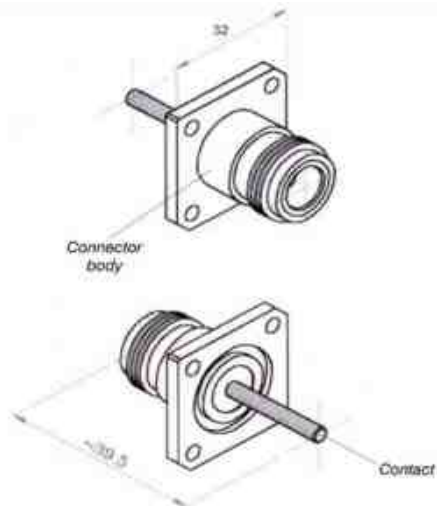
**Fig.50**



*Dimensions in mm*

**Fig.51**

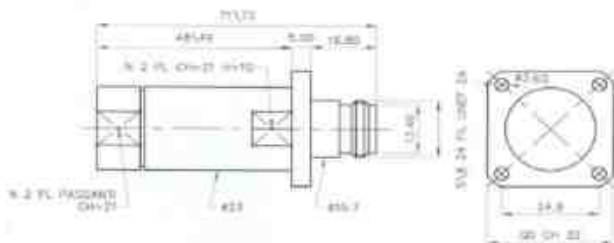
**P/N 301532BD**



*Dimensions in mm*

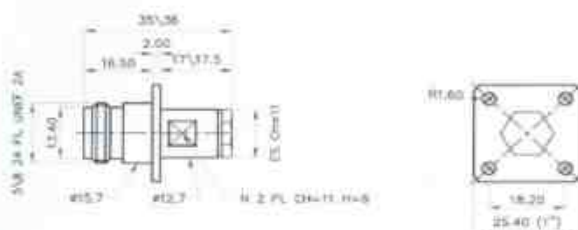
**P/N 301532CF20**

**Fig.52**



**Fig.53**

**P/N 301612RP**



**P/N 301656**

**Fig.54**



# DRAWINGS N

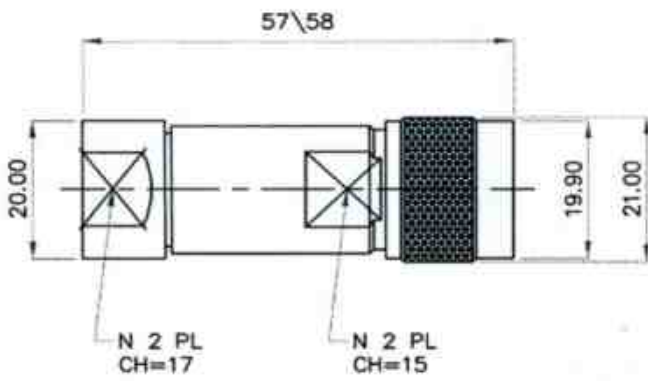
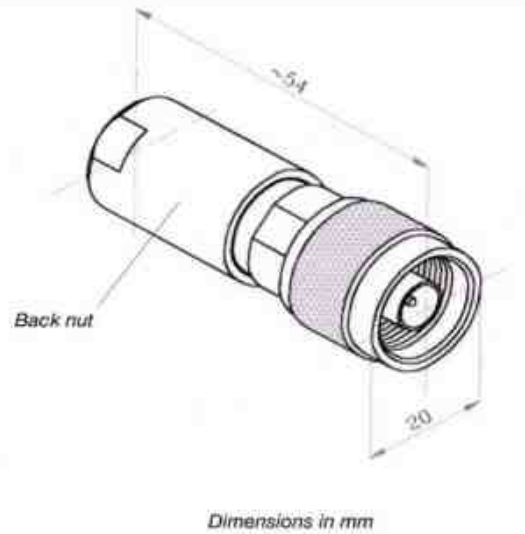


Fig.61

P/N 302013H



P/N 302014

Fig.62

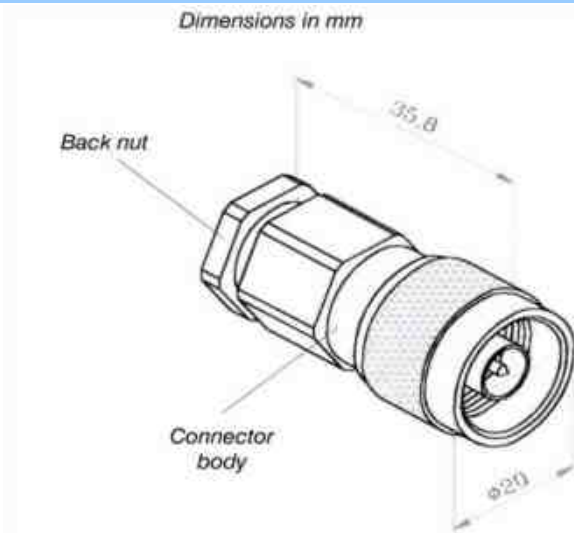
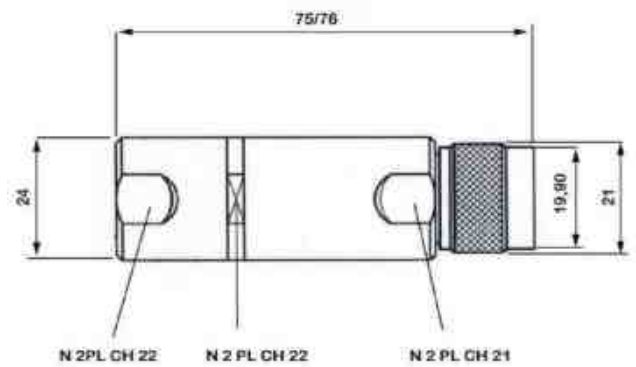


Fig.63

P/N 302014H



P/N 302027

Fig.64

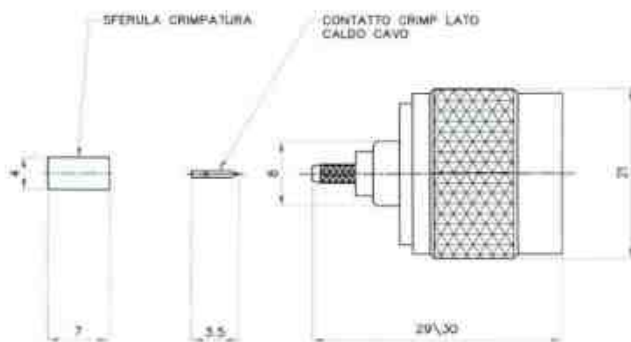
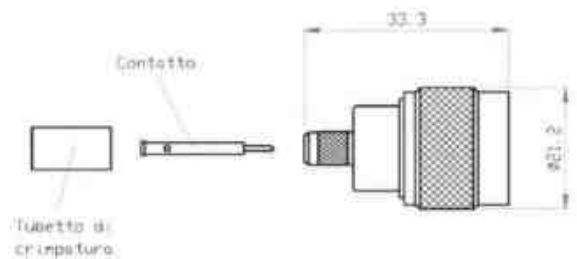


Fig.65

P/N 302035TP



P/N 302046TP

Fig.66



# DRAWINGS N

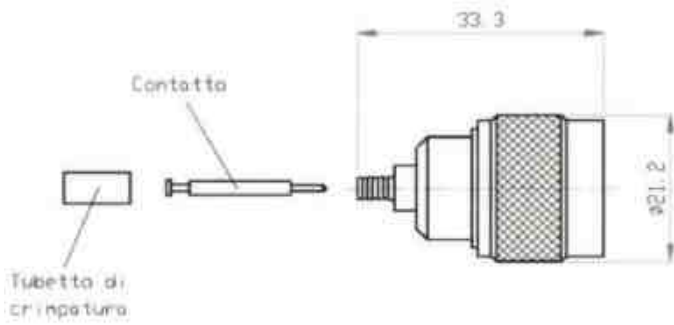
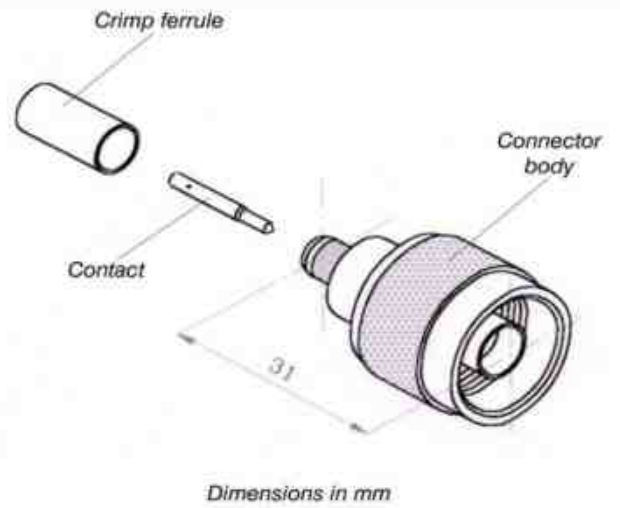


Fig.67

P/N 302049TP



P/N 302087TP

Fig.68

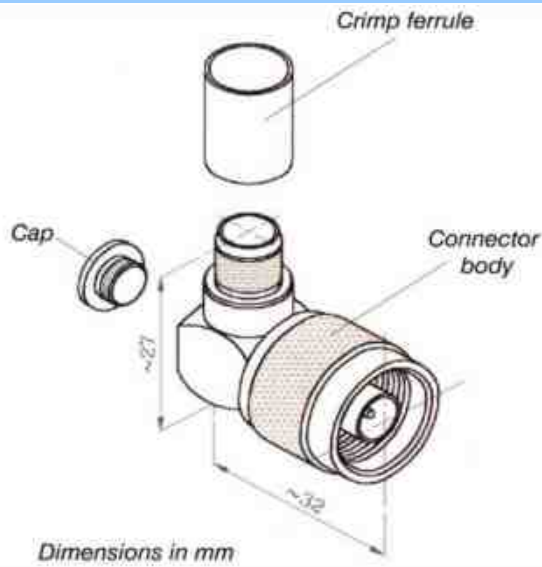
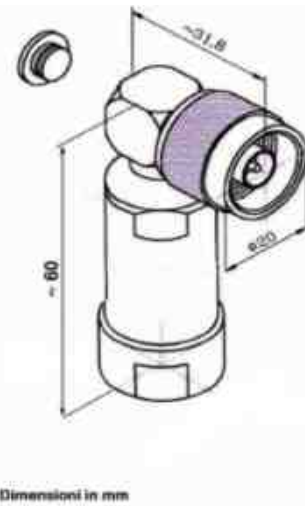


Fig.69

P/N 302411TP



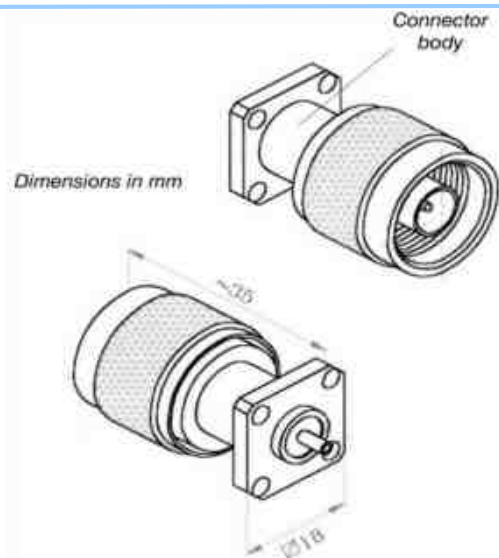
P/N 302412H

Fig.70



Fig.71

P/N 302414

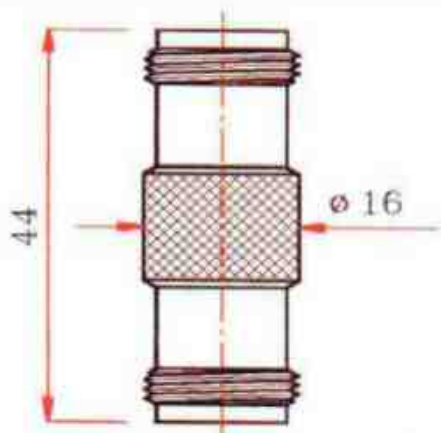


P/N 302518

Fig.72



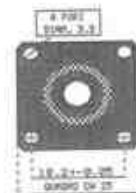
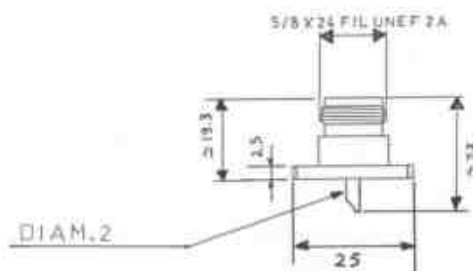
# DRAWINGS N



Dimensions in mm

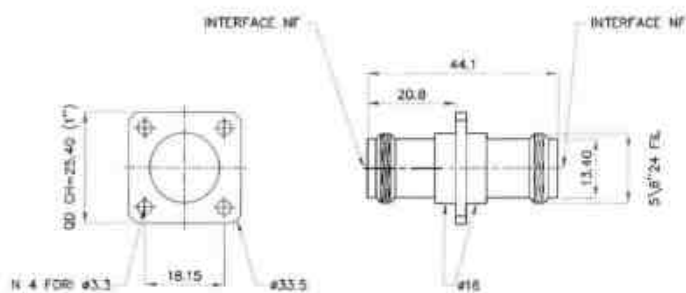
**Fig.73**

**P/N 3013301**



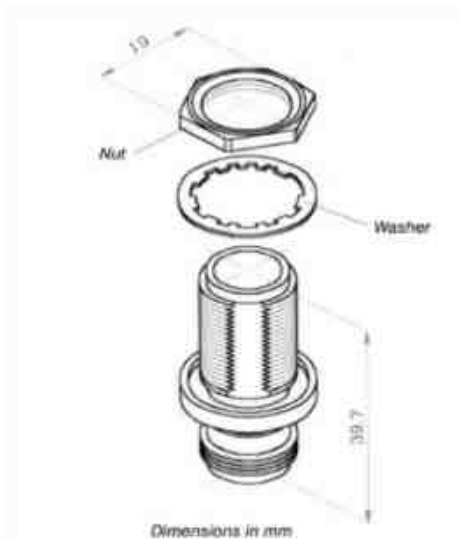
**P/N 3015257**

**Fig.74**



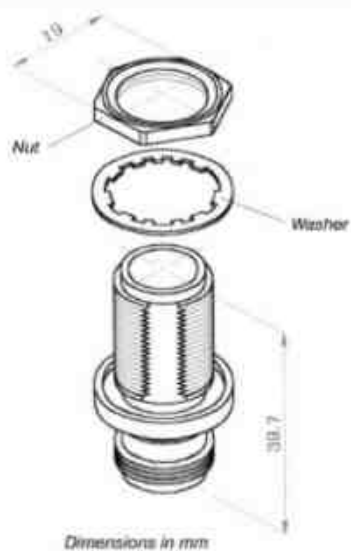
**Fig.75**

**P/N 3015301**



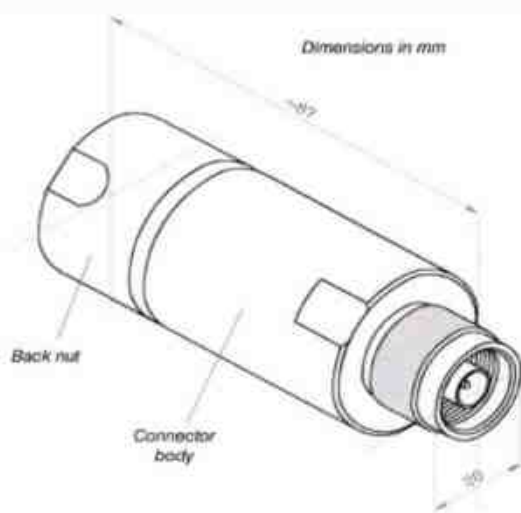
**P/N 3017301**

**Fig.76**



**Fig.77**

**P/N 30173017**



**P/N 3020787RP**

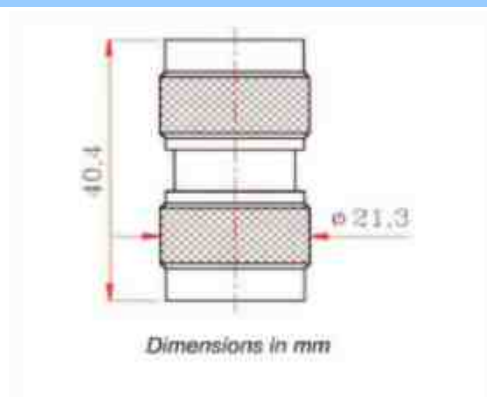
**Fig.78**

## DRAWINGS N



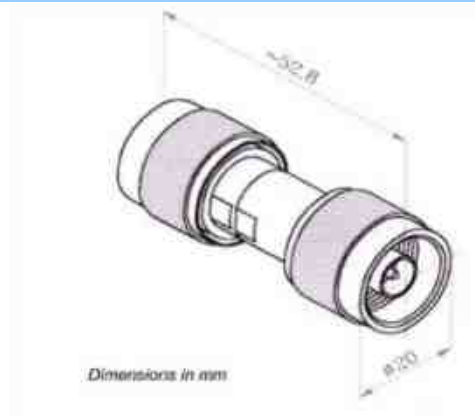
**Fig.79**

**P/N 3023301**



**P/N 3023302**

**Fig.80**



**Fig.81**

**P/N 3023302LV**



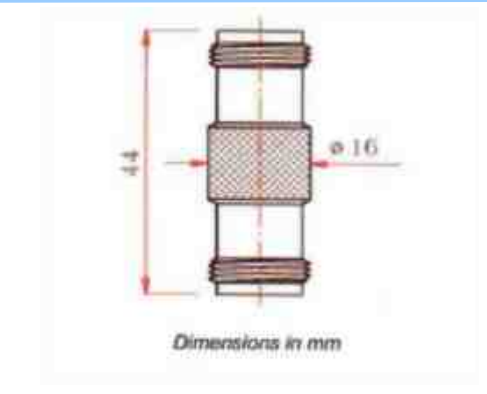
**P/N 3024301**

**Fig.82**



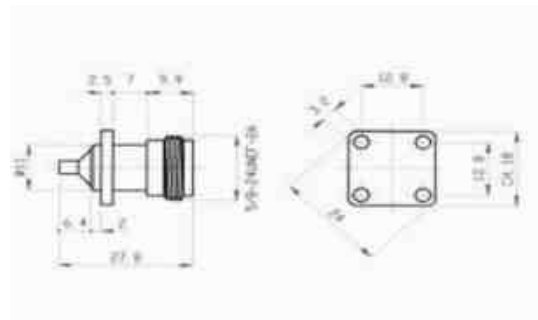
**Fig.83**

**P/N 30090121**



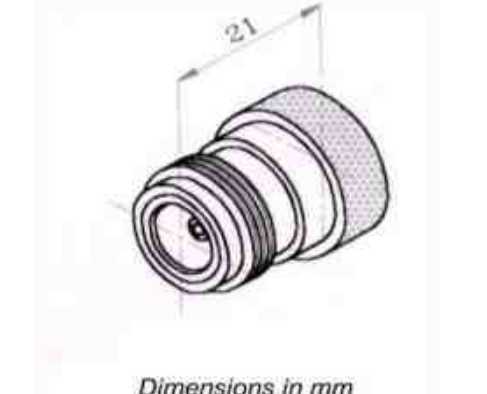
**P/N 30133017**

**Fig.84**



**Fig.85**

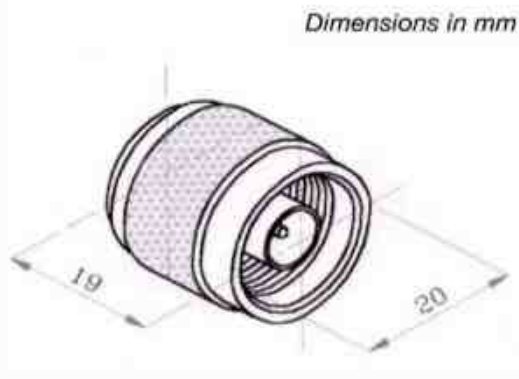
**P/N 301623LV**



**P/N CC3010**

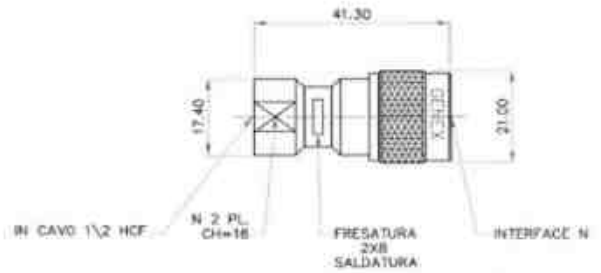
**Fig.86**

# DRAWINGS N



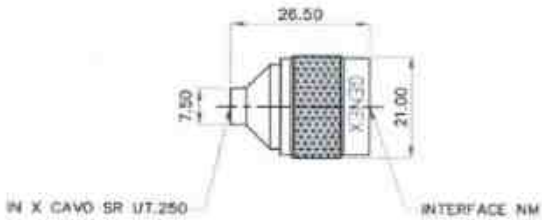
**Fig.87**

**P/N CC3020**



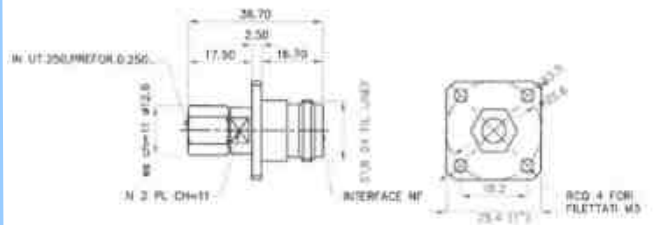
**P/N 302012HS**

**Fig.88**



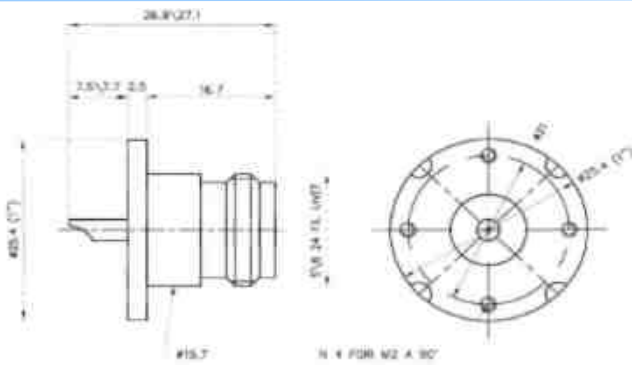
**Fig.89**

**P/N 302065**



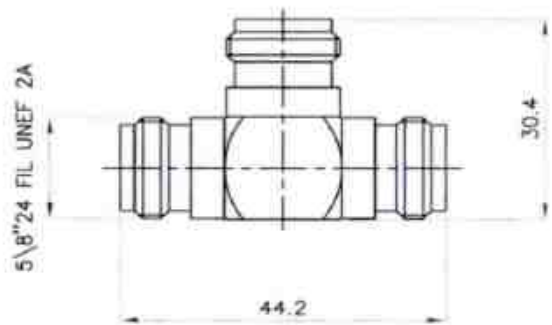
**P/N 301665**

**Fig.90**



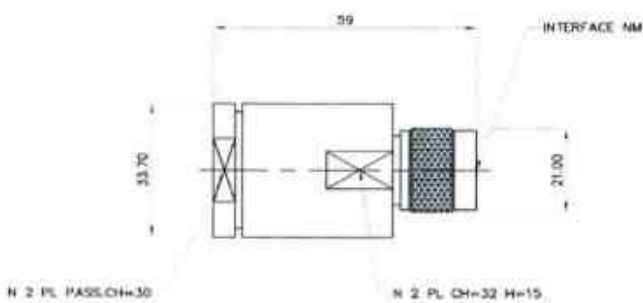
**Fig.91**

**P/N MR301525**



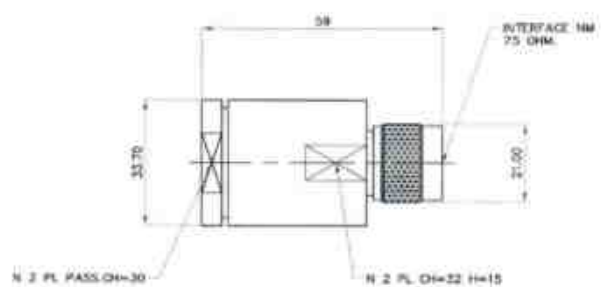
**P/N 30090111**

**Fig.92**



**Fig.93**

**P/N 302022**



**P/N 3020227**

**Fig.94**

# DRAWINGS N

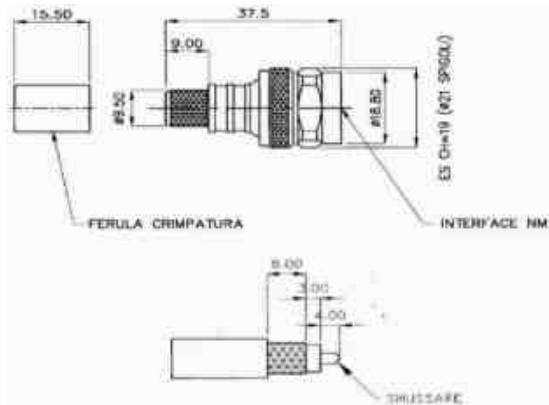
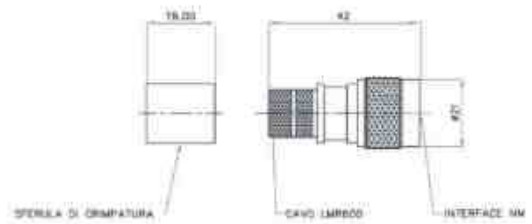


Fig.95

P/N 302011TPTW



P/N 302027TP

Fig.96

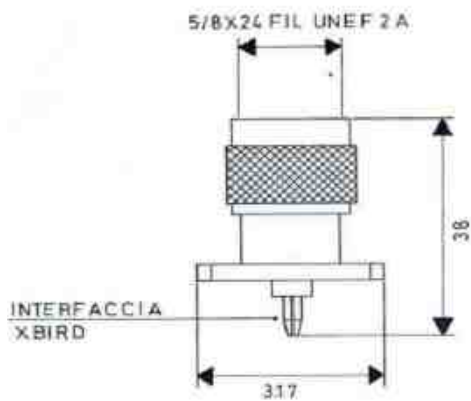
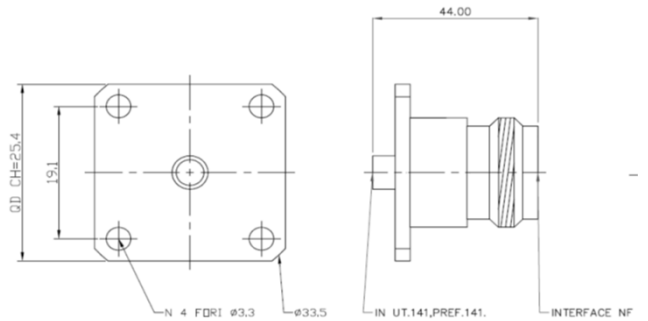


Fig.97

P/N 302532BD



P/N 301636SH

Fig.98

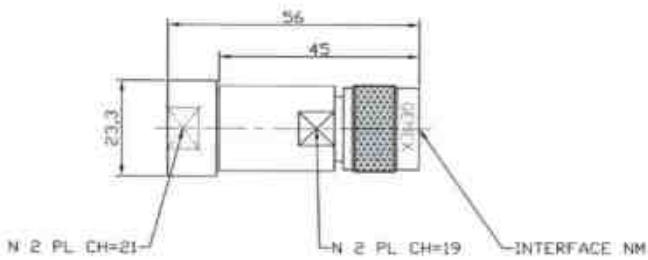
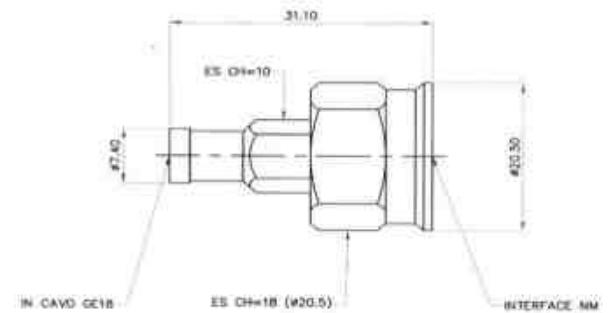


Fig.99

P/N 302012HFX



P/N 302090

Fig.100

Fig.101

P/N

P/N

Fig.102



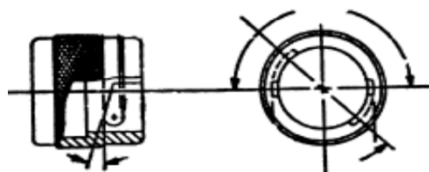
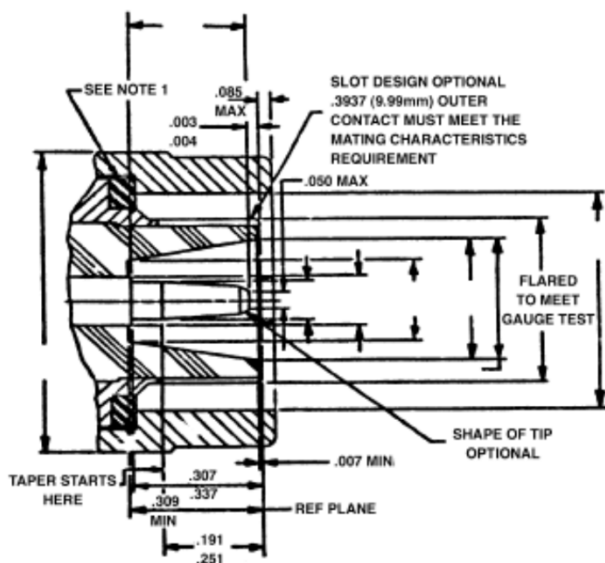
# TECHNICAL INFORMATIONS C

		notes
Frequency range	DC ÷ 11 GHz	
VSWR	50 Ω	
Impedance	1.35 MAX	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.0$ mΩ	
	outer $\leq 1.0$ mΩ	
Dielectric	2,5 kV rms 50Hz	
Temperature range	-65°C ÷ +155°C	

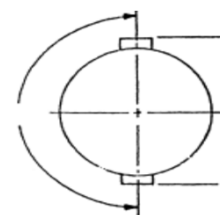
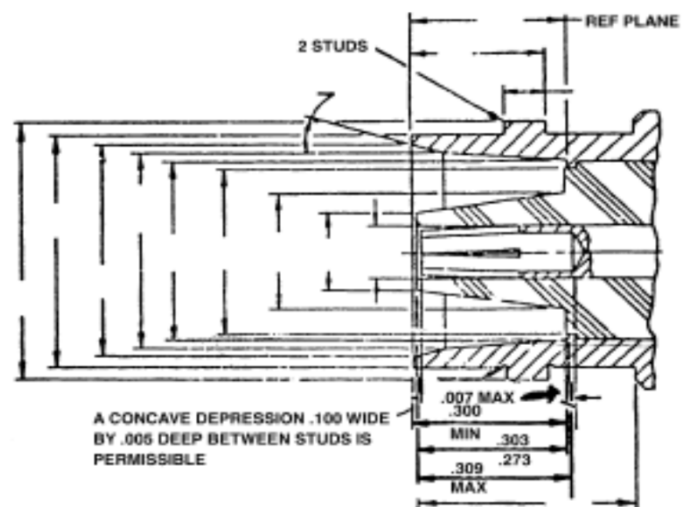
Above, are typical characteristics of C connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**




**Jack (female)**



# FLEXIBLE CABLE CONNECTORS


## STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
312011	C m for RG 8-9-115-213-214		
312056 	C m for RG 58-141-142-223-303		

## RIGHT ANGLE 90° PLUGS (M) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
312411 	C m for RG 8-9-115-213-214		1
312456	C m for RG 58-141-142-223-303		

## STRAIGHT JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
311011	C f for RG 8-9-115-213-214		
311056	C f for RG 58-141-142-223-303		

## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
311611	C f for RG 8-9-115-213-214	flange 25,4x25,4	
311656 	C f for RG 58-141-142-223-303	flange 25,4x25,4	
311811	C f for RG 8-9-115-213-214	bulkhead	
311856	C f for RG 58-141-142-223-303	bulkhead	



## CORRUGATED CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
312012	C m for 1/2" foam		

### STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
311078	C f for 7/8" foam		

## RECEPTACLES WITH SOLDER END


### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
311525	C f solder contact	flange 25,4x25,4	
311700	C f solder contact	bulkhead	
311500HT	C f solder contact	flange 25,4x25,4 high voltage	

## ADAPTERS C - C




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3113311	C f - C f		
3115311	C f - C f panel mount	flange 25,4x25,4	
3117311 	C f - C f panel mount	bulkhead	2
3123311	C m - C f		
3123312	C m - C m		
3124311	C m L C f	right angle 90°	
31090121	C f - m - f	T adapter	

For others combinations, see section " COAXIAL ADAPTERS"

## PROTECTIVE CAPS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T3110	Protective cap for C m		
T3120 	Protective cap for C f		

# DRAWINGS C



**Fig.1**

**P/N 312411**



**P/N 3117311**

**Fig.2**

**Fig.3**

**P/N**

**P/N**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

# UHF (PL)

COAXIAL CONNECTORS 50Ω / 75Ω



GENEX RF, synonym of :

- Quality
- Speed
- Competence and professionalism





# TECHNICAL INFORMATIONS UHF(PL)

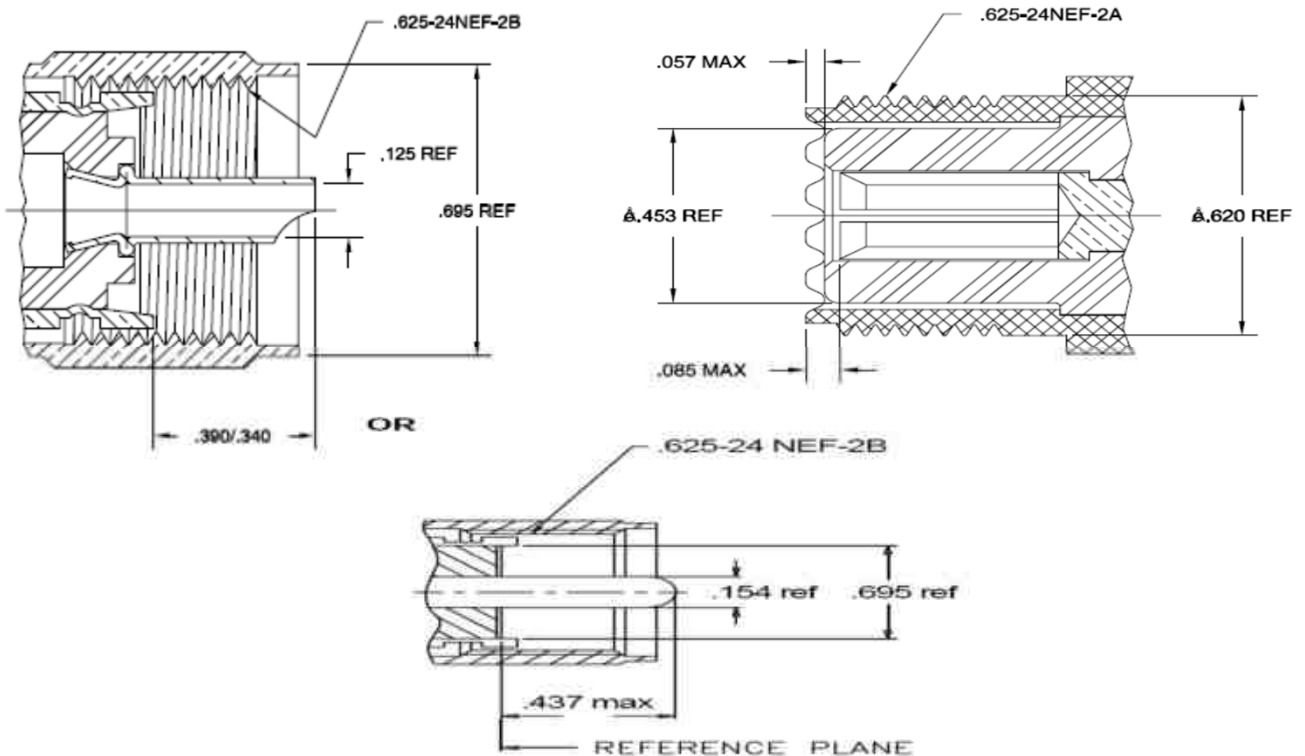
		notes
Frequency range	DC ÷ 500 MHz	
Impedance	50 Ω	
	75 Ω	on request
VSWR :	1.2 MAX	DC ÷ 200 MHz
	1.3 MAX	200 ÷ 500 MHz
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.0$ mΩ	
	outer $\leq 1.0$ mΩ	
Dielectric	0,6 kV rms 50Hz	
Temperature range	-45°C ÷ +65°C	

Above, are typical characteristics of UHF(PL) connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

### Plug (male)


### Jack (female)



## FLEXIBLE CABLE CONNECTORS    50Ω 75Ω


### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
402011	UHF m for RG 8-9-115-213-214	50 Ω		
402056 	UHF m for RG 58-141-142-223-303	50 Ω		
402064	UHF m for RG 59	75 Ω		
402085	UHF m for RG 5-212	50 Ω		1
4020117	UHF m for RG 11-13-216	75 Ω		
4020857	UHF m for RG 6	75 Ω		

### RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
402411 	UHF m for RG 8-9-115-213-214	50 Ω		
4024117	UHF m for RG 11-13-216	75 Ω		


### RIGHT ANGLE 90° PLUGS (M) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
402456TP	UHF m for RG 58-141-142-223-303	50 Ω		



## STRAIGHT JACKS (F) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
401011 	UHF f for RG 8-9-115-213-214	50 Ω		
401056	UHF f for RG 58-141-142-223-303	50 Ω		
4010857	UHF f for RG 6	75 Ω		2

## STRAIGHT PANEL JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
401611	UHF f for RG 8-9-115-213-214	50 Ω	flange 25,4x25,4	
401685	UHF f for RG 5-212	50 Ω	flange 25,4x25,4	
4016117	UHF f for RG 11-13-216	75 Ω	flange 25,4x25,4	
4016857	UHF f for RG 6	75 Ω	flange 25,4x25,4	




## STRAIGHT PANEL JACKS (F) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
401856TP 	UHF f for RG 58-141-142-223-303	50 Ω	bulkhead	

## CORRUGATED CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
402012	UHF m for 1/2" foam	50 Ω		
402078 	UHF m for 7/8" foam	50 Ω		3



### STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
401012	UHF f for 1/2" foam	50 Ω		

## RECEPTACLES WITH SOLDER END 50Ω 75Ω

### STRAIGHT PANEL JACKS (F)





<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
401500 	UHF f solder contact	50 Ω	flange 25,4x25,4	
401700 	UHF f solder contact	50 Ω	bulkhead	
4015007	UHF f solder contact	75 Ω	flange 25,4x25,4	

## RIGHT ANGLE 90° PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
401400	UHF f solder contact	50 Ω	flange 25,4x25,4	

## ADAPTERS UHF - UHF



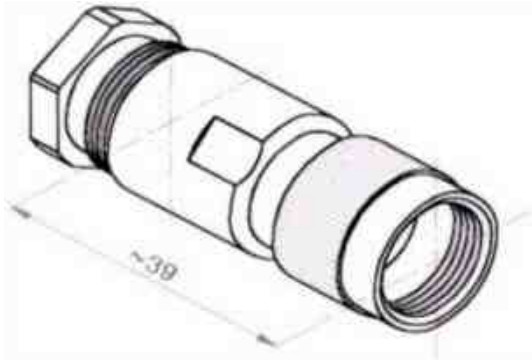
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
4013401	UHF f - UHF f	50 Ω		
4015401 	UHF f - UHF f panel mount	50 Ω	flange 25,4x25,4	
4017401	UHF f - UHF f panel mount	50 Ω	bulkhead	
4023402	UHF m - UHF m	50 Ω		
4024401	UHF m L UHF f	50 Ω	right angle 90°	
40090111	UHF f - f - f	50 Ω	T adapter	
40090121 	UHF f - m - f	50 Ω	T adapter	

For others combinations, see section " COAXIAL ADAPTERS"

## PROTECTIVE CAPS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
T4010	Protective cap for UHF m	n.a.		
T4020	Protective cap for UHF f	n.a.		

## DRAWINGS UHF(PL)



**Fig.1**

**P/N 402085**



**P/N 4010857**

**Fig.2**



**Fig.3**

**P/N 402078**

**P/N**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

# SC

## COAXIAL CONNECTORS 50Ω



# TECHNICAL INFORMATIONS SC

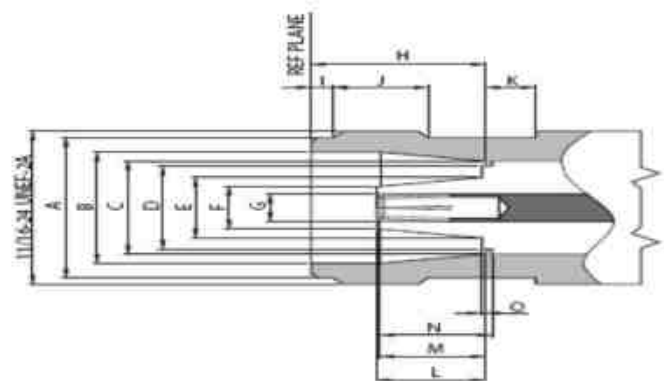
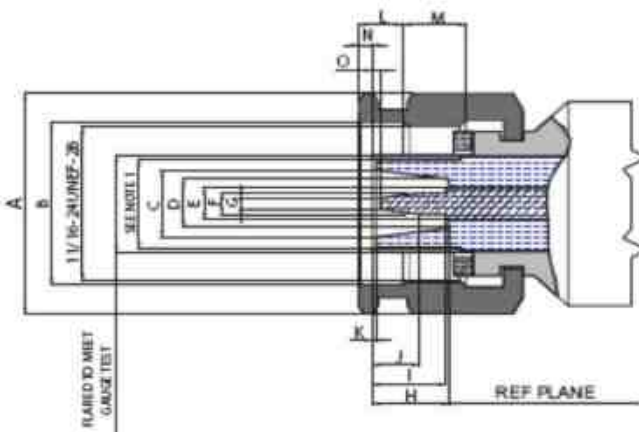
		notes
Frequency range	DC ÷ 11 GHz	
Impedance	50 Ω	
VSWR :	1.3 MAX	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤1.0 mΩ	
	outer ≤1.5 mΩ	
Dielectric	1,5kV rms 50Hz	
Temperature range	-65°C ÷ +165°C	
Corrosion	MIL-STD-202,method 101,condition B	

Above, are typical characteristics of SC connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**

**Jack (female)**



Letter	Millimeters(Inch)	
	Minimum	Maximum
A	-	21.03(.828)
B	17.53(.6900)	-
C	7.01(.2760)	-
D	4.93(.1940)	-
E	3.028(.1192)	3.053(.1202)
F	2.29(.0900)	2.34(.0921)
G	-	1.27(.0500)
H	7.85(.3090)	-
I	7.80(.3070)	8.56(.3370)
J	4.85(.1910)	6.38(.2510)
K	0.18(.0070)	-
L	5.41(.2130)	5.66(.2230)
M	6.35(.2500)	-
N	0.64(.0250)	2.16(.0850)
O	0.08(.0030)	1.02(.0400)

Letter	Millimeters(Inch)	
	Minimum	Maximum
A	-	16(.630)
B	12.24(.482)	12.65(.498)
C	10.44(.411)	10.54(.415)
D	-	9.50(.374)
E	-	6.91(.272)
F	-	4.83(.190)
G	3.02(.119)	3.15(.124)
H	12.47(.491)	12.57(.495)
I	1.19(.047)	1.96(.077)
J	6.35(.250)	-
K	3.56(.140)	-
L	7.85(.309)	
M	6.93(.273)	7.70(.303)
N	7.62(.300)	-
O	-	0.18(.007)


# FLEXIBLE CABLE CONNECTORS

## STRAIGHT PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
322011	SC m for RG 8-9-115-213-214		3
322056	SC m for RG 58-141-142-223-303		

## RIGHT ANGLE 90° PLUGS (M) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
322411D 	SC m for RG 8-9-115-213-214		

## STRAIGHT JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
321011	SC f for RG 8-9-115-213-214		
321056	SC f for RG 58-141-142-223-303		

## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
321811	SC f for RG 8-9-115-213-214	bulkhead	
321856 	SC f for RG 58-141-142-223-303	bulkhead	



## CORRUGATED CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
322012	SC m for 1/2" foam		
322014	SC m for 1/4" foam	waterproof	2

### STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
321012	SC f for 1/2" foam		
321014	SC f for 1/4" foam	waterproof	1

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
321525	SC f solder contact	flange 25,4x25,4	

## ADAPTERS SC - SC



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3213321	SC f - SC f		
3217321	SC f - SC f panel mount	bulkhead	4
3223321	SC m - SC f		
3223322	SC m - SC m		
3224321	SC m L SC f	right angle 90°	
32090121	SC f - m - f	T adapter	

For others combinations, see section " COAXIAL ADAPTERS"

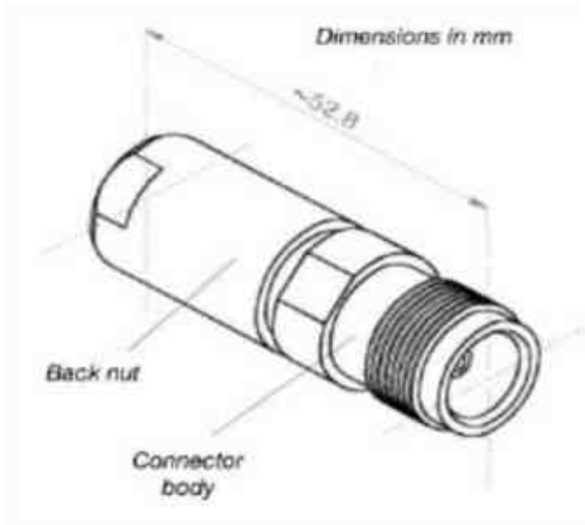
## SHORT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC3210	Short SC f		
CC3220	Short SC m		

## PROTECTIVE CAPS

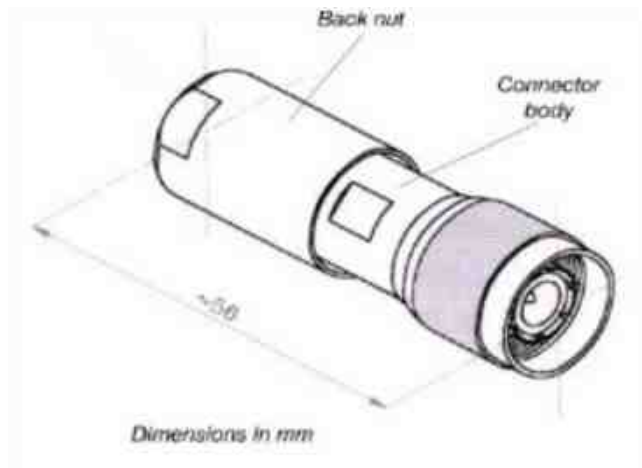
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T3210	Protective cap for SC m		
T3220	Protective cap for SC f		

## DRAWINGS SC



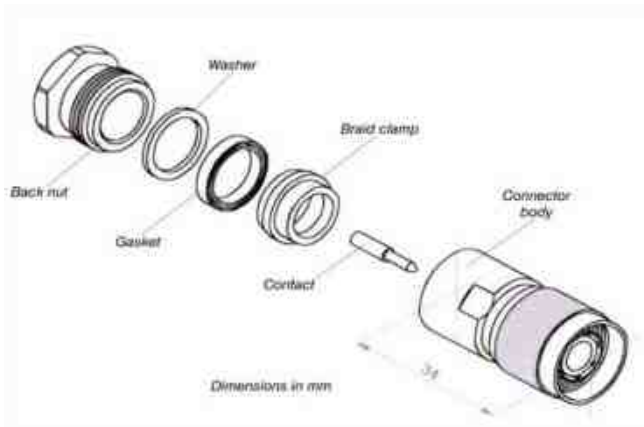
**Fig.1**

**P/N 321014**



**P/N 322014**

**Fig.2**



**Fig.3**

**P/N 322011**



**P/N 3217321**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

# HN

## COAXIAL CONNECTORS 50Ω



# TECHNICAL INFORMATIONS HN

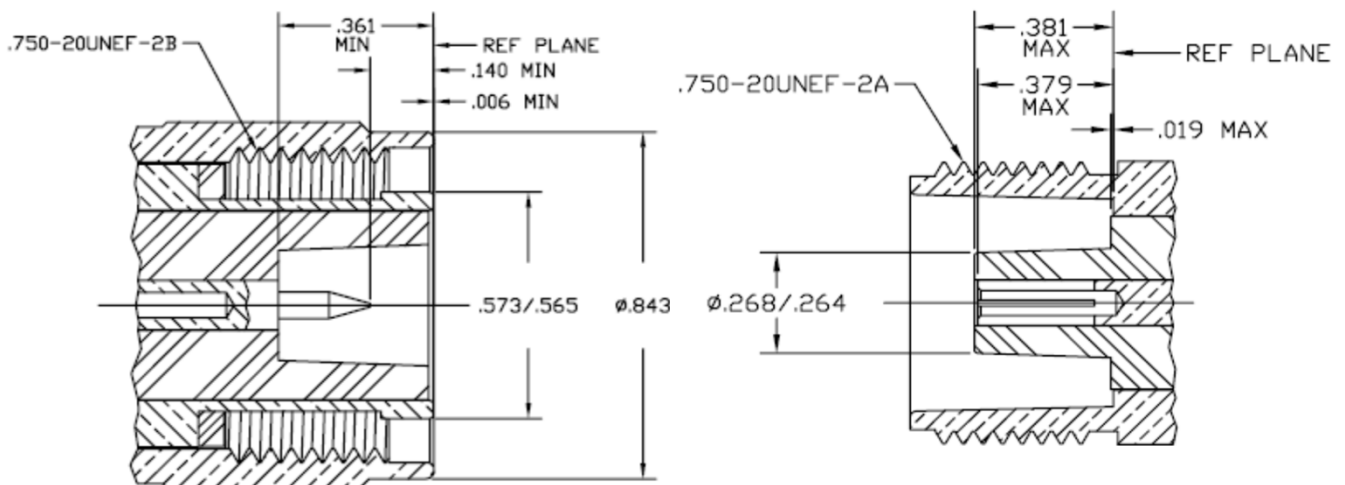
		notes
Frequency range	DC ÷ 4 GHz	
Impedance	50 Ω	
VSWR :	1.35 MAX	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤1.5 mΩ	
	outer ≤1.0 mΩ	
Dielectric	15.0 kV rms 50Hz	depending on cable
Temperature range	-55°C ÷ +155°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-202,method 213,condition I	

Above, are typical characteristics of HN connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

### Plug (male)


### Jack (female)



# FLEXIBLE CABLE CONNECTORS


## STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
502011 	HN m for RG 8-9-115-213-214		2
502016	HN m for RG 14-217		
502022	HN m for RG 17-218		
502011HT	HN m for RG 11-13-216	high voltage	


## STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
502087TP 	HN m for S04272B Suhner - H155 Belden	low loss	4

## RIGHT ANGLE 90° PLUGS (M) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
502411 	HN m for RG 8-9-115-213-214		5

## STRAIGHT JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
501011	HN f for RG 8-9-115-213-214		
501022	HN f for RG 17-218		

## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
501611 	HN f for RG 8-9-115-213-214	flange 30x30	7


## **SEMIRIGID CABLE CONNECTORS**

### STRAIGHT PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
502036	HN m for UT.141		



### STRAIGHT PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
501836LV 	HN f for UT.141	bulkhead - stainless steel - precision	1



## CORRUGATED CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
502078	HN m for 7/8" foam		
502012H	HN m for 1/2" superflex		
502012RP	HN m for 1/2" foam		3

### STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
501012	HN f for 1/2" foam		
501078	HN f for 7/8" foam		

### STRAIGHT PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
501678	HN f for 7/8" foam	flange 30x30	

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
501530HT	HN f solder contact	high voltage flange 30x30	

## ADAPTERS HN - HN



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
5013501	HN f - HN f		
5015501	HN f - HN f panel mount	flange 30x30	
5017501	HN f - HN f	bulkhead	
5023501	HN m - HN f		
5023502	HN m - HN m		
5024501	HN m L HN f	right angle 90°	6

For others combinations, see section " COAXIAL ADAPTERS"

## PROTECTIVE CAPS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T5010	Protective cap for HN m		
T5020	Protective cap for HN f		

# DRAWINGS HN

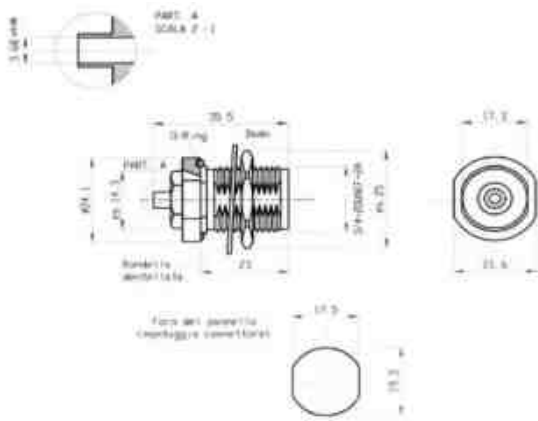
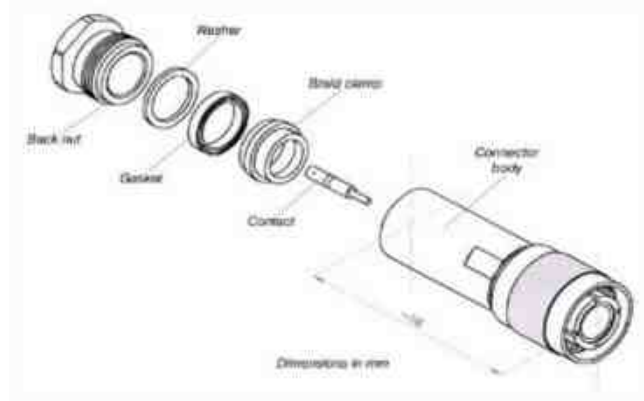


Fig.1

P/N 501836LV



P/N 502011

Fig.2

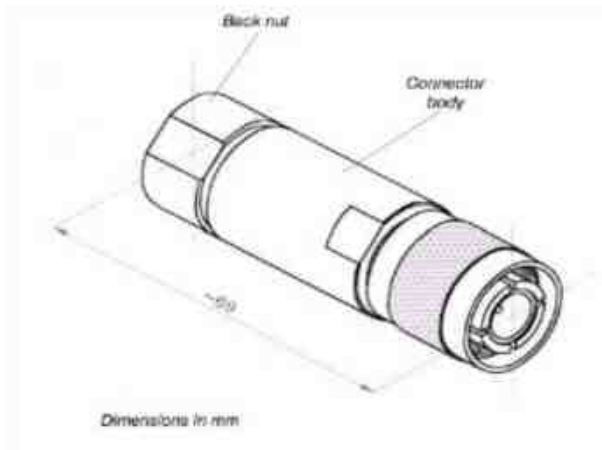
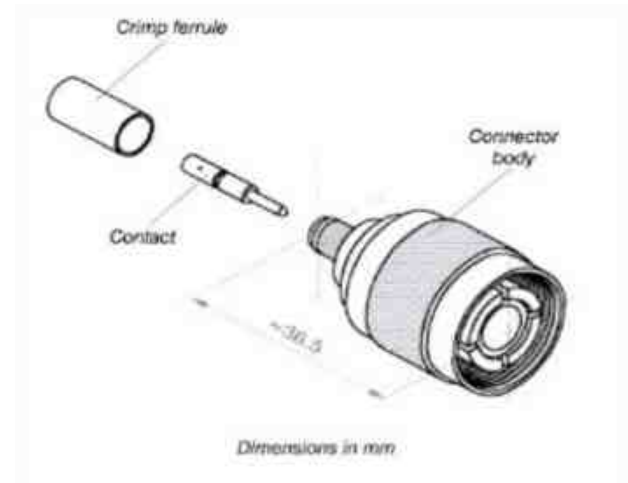


Fig.3

P/N 502012RP



P/N 502087TP

Fig.4

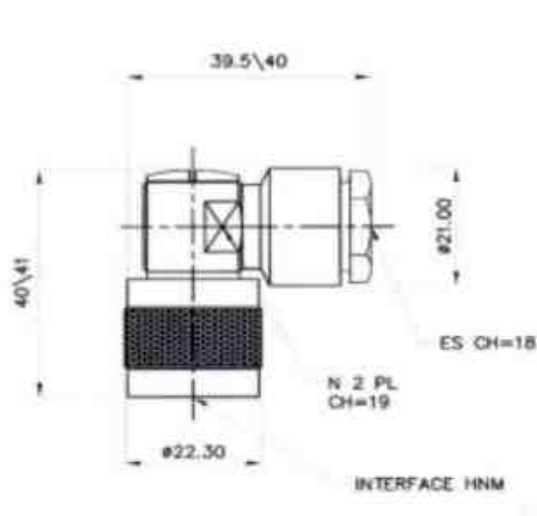
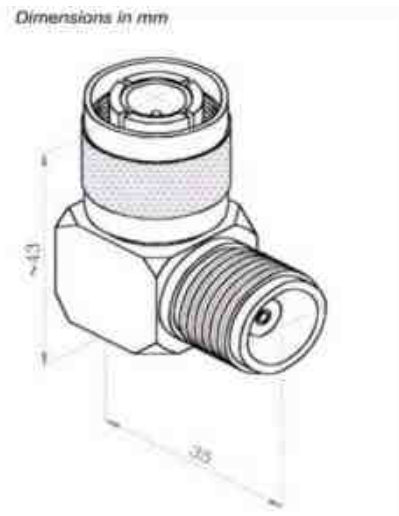


Fig.5

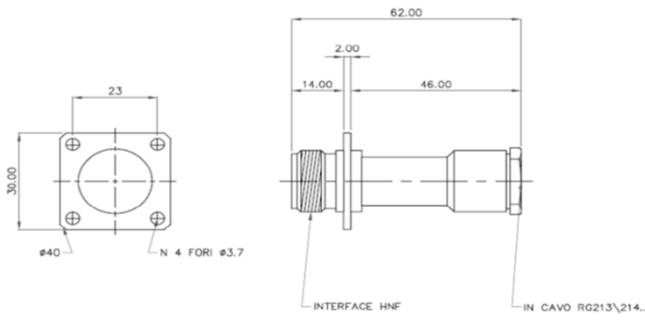
P/N 502411



P/N 5024501

Fig.6

# DRAWINGS HN



**Fig.7**

**P/N 501611**

**P/N**

**Fig.8**

**Fig.9**

**P/N**

**P/N**

**Fig.10**

**Fig.11**

**P/N**

**P/N**

**Fig.12**

# LC

## COAXIAL CONNECTORS 50Ω



In Avionic field, Genex RF is able to design and make RF cable assemblies on spec with drawings or sampling of customer.



# TECHNICAL INFORMATIONS LC

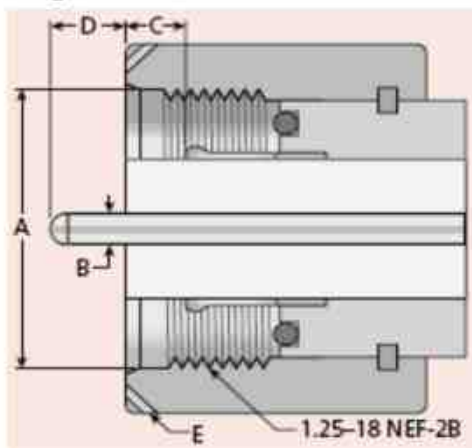
notes

Frequency range	DC ÷ 1 GHz	
Impedance	50 Ω	
VSWR :	1.20 MAX	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤1.5 mΩ	
	outer ≤1.0 mΩ	
Dielectric	1,5kV rms 50Hz	depending on cable
Temperature range	-55°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	
Shock	MIL-STD-202,method 213,condition I	

Above, are typical characteristics of LC connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

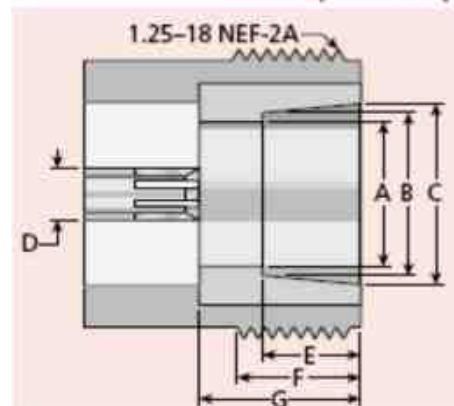
INTERFACE : MIL-STD-348

**Plug (male)**



Dimensions	
A	ø1.281 ±.005 (32.5)
B	ø.188 (4.8)
C	ø.250 ±.016 (6.4)
D	ø.375 ±.125 (9.5)
E	ø.031 x 45° (.8)

**Jack (female)**



Dimensions	
A	ø.695 ±.002 (17.7)
B	ø.789 ±.001 (20.0)
C	ø.810 ±.004 (20.6)
D	ø.228 ±.001 (5.8)
E	.375 ±.002 (9.5)
F	.500 ±.016 (12.7)
G	.625 ±.002 (15.9)



## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
602022	LC m for RG 17-218		
602028	LC m for RG 19-220		

### RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
602422	LC m for RG 17-218		3

## CORRUGATED CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
602012	LC m for 1/2" foam		1
602078RP	LC m for 7/8" foam	quick coupling	2

## STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
601015A	LC f for 1"5/8 air		



## RECEPTACLES WITH SOLDER END

## STRAIGHT PANEL PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
602532BD	LC m Bird contact	flange 31.7x31.7	

## STRAIGHT PANEL JACKS (F)






<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
601532 	LC f solder contact	flange 32x32	
601550 	LC f solder contact	flange 50x50	5
601532BD	LC f Bird contact	flange 31.7x31.7	
601532CF...*	LC f threaded contact M5	flange 32x32	4

...\* length threaded contact, on request

example: 601500CF36 = threaded contact mm 36

## ADAPTERS LC - LC



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6013601 	LC f - LC f		6
6023602 	LC m - LC m		7
6024601 	LC m L LC f	right angle 90°	8

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT

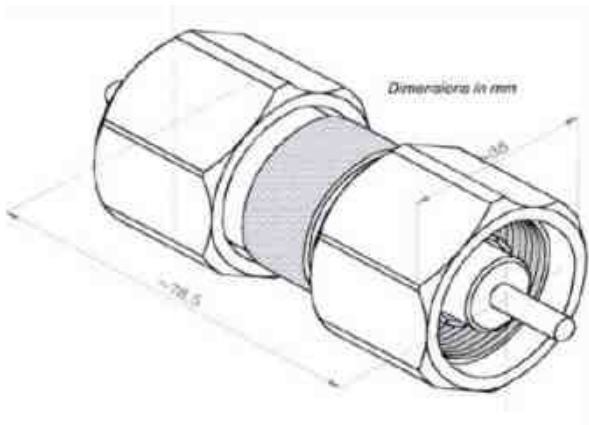
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC6010	Short LC f		
CC6020	Short LC m		

## PROTECTIVE CAPS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T6010	Protective cap for LC m		
T6020	Protective cap for LC f		

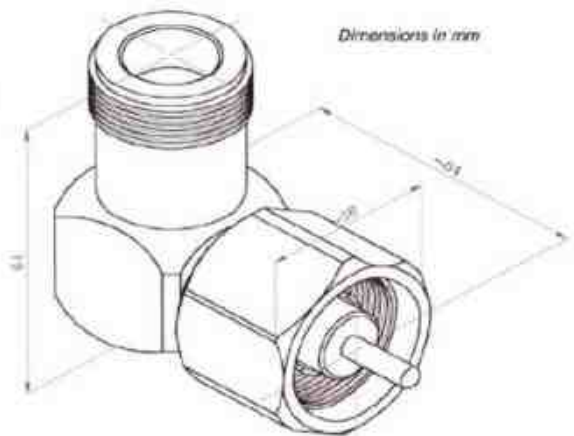


# DRAWINGS LC



**Fig.7**

**P/N 6023602**



**P/N 6024601**

**Fig.8**

**Fig.9**

**P/N**

**P/N**

**Fig.10**

**Fig.11**

**P/N**

**P/N**

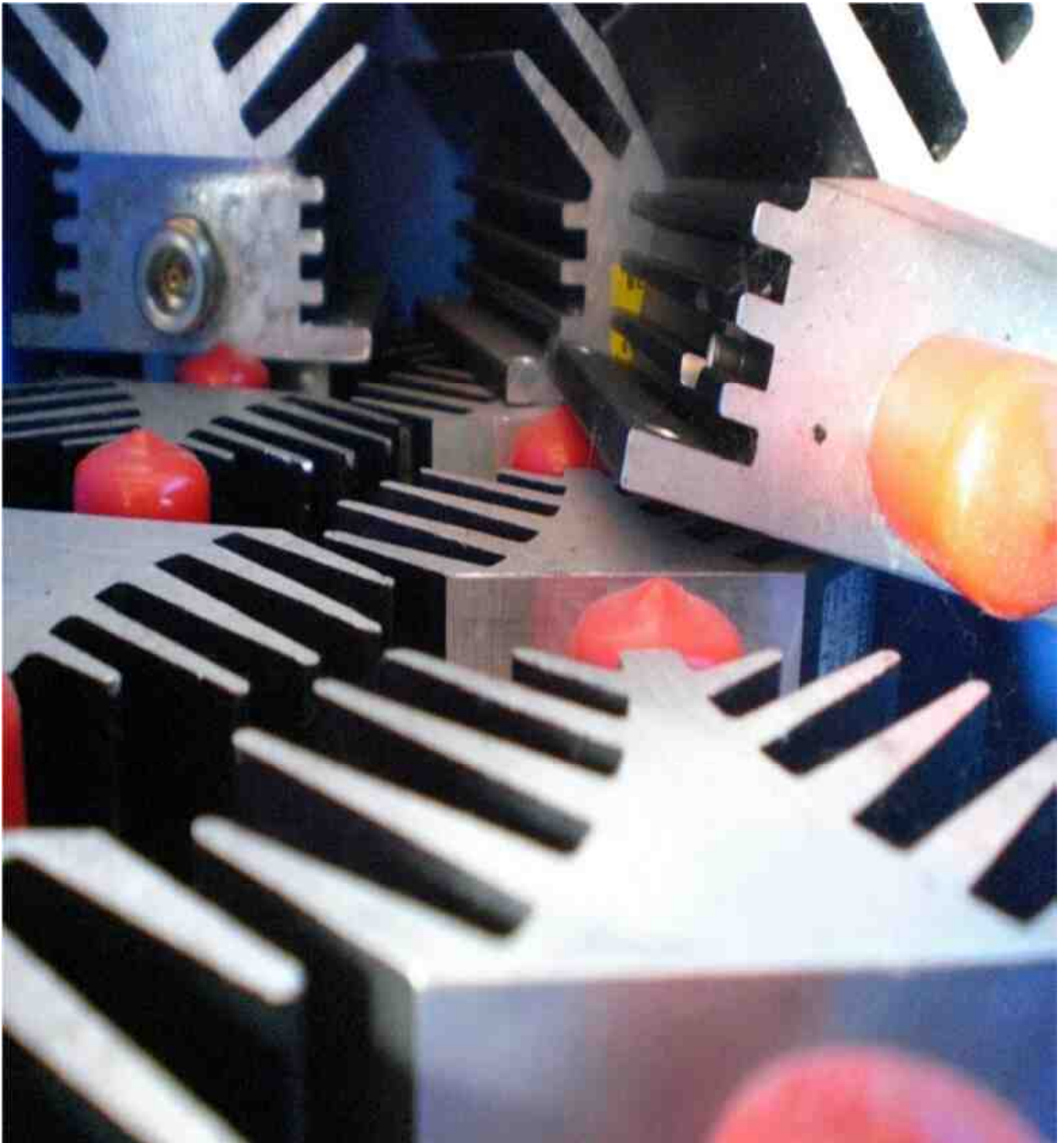
**Fig.12**

# THT

## HIGH VOLTAGE COAXIAL CONNECTORS 50Ω



GENEX RF, innovative solutions and high quality standards.





## TECHNICAL INFORMATIONS THT

		notes
Frequency range	DC ÷ 1.0 GHz	
Impedance	50 Ω	
VSWR	< 1.20	
High Voltage	10 kV	
Sealing Pressure	7,5 Bar (100Psi)	
Temperature range	-55°C ÷ +125°C	

Above, are typical characteristics of THT connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

## FLEXIBLE CABLE CONNECTORS

### RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
THT2422TP	THT m for RG 17-218-HP 850		2

## RECEPTACLES WITH SOLDER END



### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
THT1700CF	THT f threaded contact	bulkhead	1

## ADAPTERS THT - N



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
THT13301	THT f - N f		3
THT13302 	THT f - N m		4
THT23301 	THT m - N f		5
THT23302	THT m - N m		6

# DRAWINGS THT

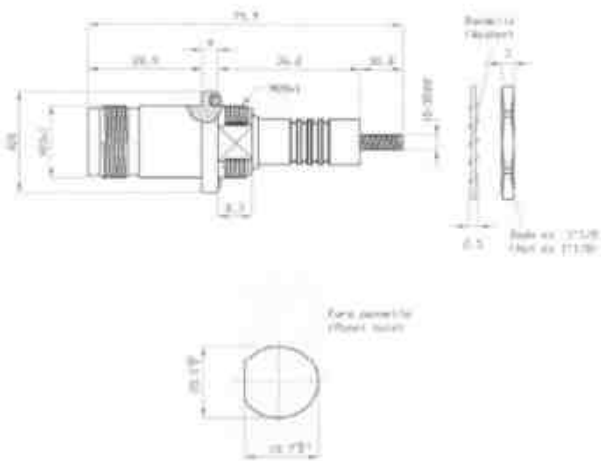


Fig.1

P/N THT1700CF

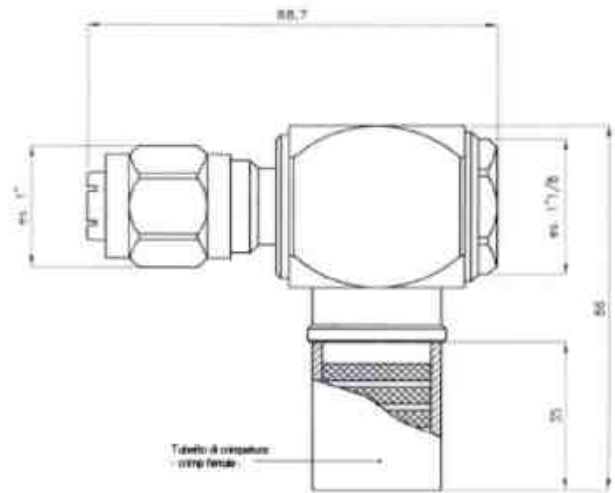


Fig.2

P/N THT2422TP

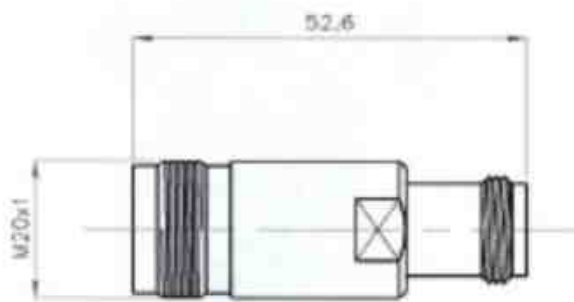


Fig.3

P/N THT13301

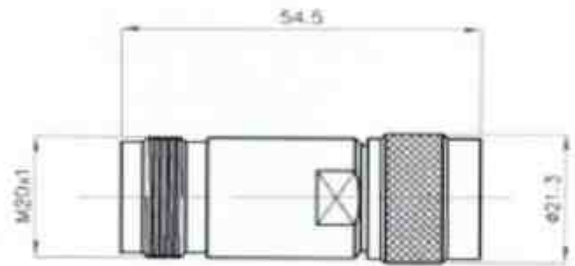


Fig.4

P/N THT13302

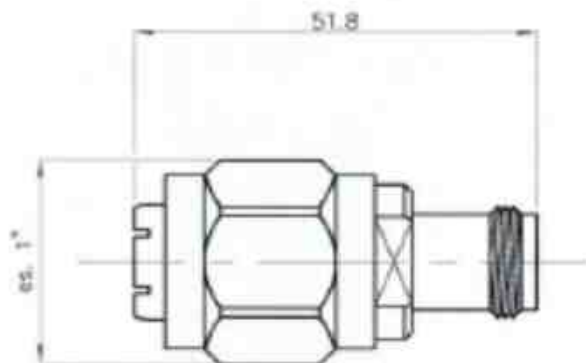


Fig.5

P/N THT23301

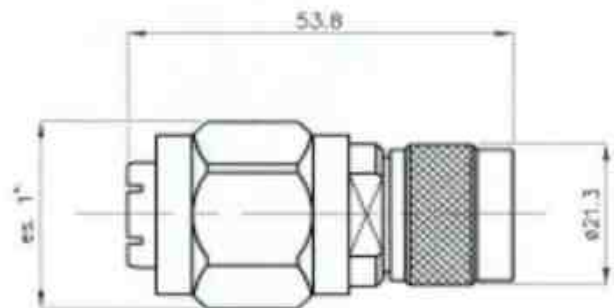


Fig.6

P/N THT23302

# SMA

## COAXIAL CONNECTORS 50Ω



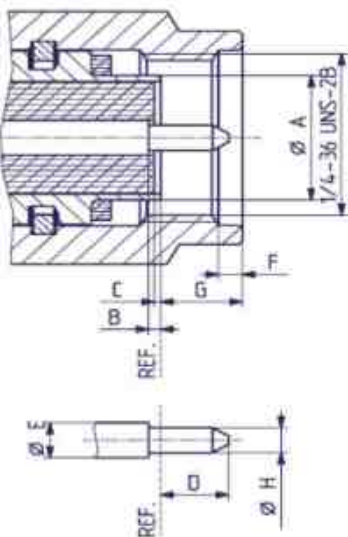
# TECHNICAL INFORMATIONS SMA

		notes
Frequency range	DC ÷ 18 GHz	angle connectors, max 12,4 GHz
Impedance	50 Ω	
VSWR :	1.05 + 0.005 f /GHz MAX	Semirigid cables
	1.15 + 0.01 f /GHz MAX	RG 223 cable
	1.15 + 0.02 f /GHz MAX	RG 122 cable
	1.20 + 0.025 f /GHz MAX	RG 178 cable
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤3.0 mΩ	
	outer ≤2,5 mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL-STD-202,method 213,condition I	
Interface dimensions	Europe: CECC 22110	
	USA: MIL-C-39012- SMA	
	International: IEC 61169-15	
	Interface: MIL-STD-348a/310	

Above, are typical characteristics of SMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

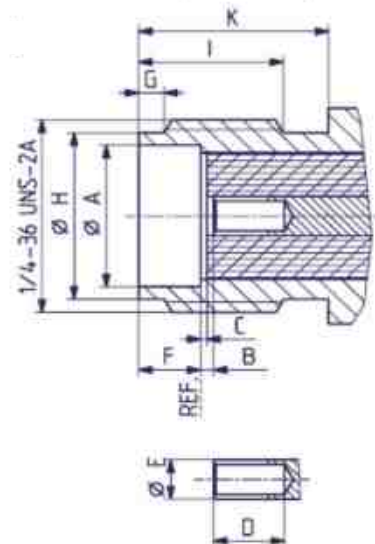
## INTERFACE

**Plug (male)**



	Plug		Jack	
	min.	max.	min.	max.
A	-	4.59/181	4.59/181	-
B	0.00/000	0.25/010	0.00/000	0.25/010
C	0.00/000	0.25/010	0.00/000	0.25/010
D	-	2.54/100	2.67/105	-
E	1.24/049	1.29/051	1.24/049	1.29/051
F	0.38/015	1.14/045	1.88/074	1.98/078
G	-	3.43/135	0.38/015	1.14/045
H	0.90/036	0.94/037	5.28/208	5.49/216
I	-	-	4.32/170	-
K	-	-	5.54/218	-


**Jack (female)**



## FLEXIBLE CABLE CONNECTORS


### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332056 	SMA m for RG 58-141-142-223-303		12
332090	SMA m for GE 18		27


### STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332035TP	SMA m for RG 174-188-316		11
332056TP	SMA m for RG 58-141-142-223-303		6
332087TP 	SMA m for S04272B Suhner - H155 Belden	low loss	

### RIGHT ANGLE 90° PLUGS (M) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332435TP	SMA m for RG 174-188-316		
332456TP 	SMA m for RG 58-141-142-223-303		7




## STRAIGHT JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331035TP 	SMA f for RG 174-188-316		


## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331656 	SMA f for RG 58-141-142-223-303	flange 12,7x12,7	
331856	SMA f for RG 58-141-142-223-303	bulkhead	

## STRAIGHT PANEL JACKS (F) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331656TP	SMA f for RG 58-141-142-223-303	flange 12,7x12,7	
331835TP	SMA f for RG 174-188-316	bulkhead	2
331856TP 	SMA f for RG 58-141-142-223-303	bulkhead	3

## SEMIRIGID CABLE CONNECTORS


### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332023	SMA m for UT.085		4
332036 	SMA m for UT.141		5
332065	SMA m for UT.250		
332089	SMA m for UT.047		
332023LV	SMA m for UT.085	AISI 303	18
332023LV-A	SMA m for UT.085	AISI 303- passivated ring	21
332023LVC	SMA m for UT.085	weldingless body	10
332023LVGX	SMA m for UT.085	AISI 303 - tin drain hole	20
332036LV	SMA m for UT.141		26
332036SD	SMA m for UT.141	without dielectric	


### RIGHT ANGLE 90° PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332423	SMA m for UT.085		23
332436 	SMA m for UT.141		24
332465	SMA m for UT.250		



## STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331023	SMA f for UT.085		1
331036 	SMA f for UT.141		
331065	SMA f for UT.250		
331089	SMA f for UT.047		

## STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331623 	SMA f for UT.085	flange 12,7x12,7	
331636	SMA f for UT.141	flange 12,7x12,7	
331689	SMA f for UT.047	flange 12,7x12,7	
331823	SMA f for UT.085	bulkhead	
331836	SMA f for UT.141	bulkhead	
331865	SMA f for UT.250	bulkhead	
331889	SMA f for UT.047	bulkhead	
331623LS	SMA f for UT.085	lozenge	
331636LS 	SMA f for UT.141	lozenge	


## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332500ST	SMA m strip line contact	flange 12,7x12,7	


### RIGHT ANGLE 90° PANEL PLUGS (M)



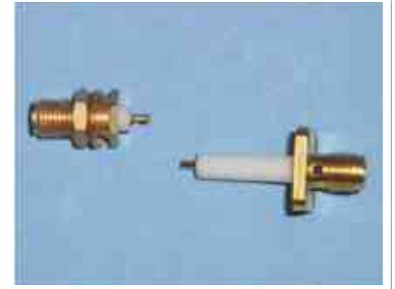
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
332400 	SMA m solder contact	bulkhead	
332400ST	SMA m strip line contact	flange 12,7x12,7	



### RIGHT ANGLE 90° PCB PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3324CSLV 	SMA m for pcb		9


## STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331500	SMA f solder contact	flange 12,7x12,7	
331513 	SMA f custom lenght contact	flange 12,7x12,7	
331700 	SMA f solder contact	bulkhead	
331500LS	SMA f solder contact	lozenge	25
331500ST	SMA f strip line contact	flange 12,7x12,7	
MR331500LS	SMA f for pin male	Ø 0,5 mm	
MR3315FRST	SMA f strip for Microstrip	rectangular flange	

## RIGHT ANGLE 90° JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
331400	SMA f solder contact	flange 12,7x12,7	
331400ST 	SMA f strip line contact	flange 12,7x12,7	
3314CSLV	SMA f for pbc		8
MR331400	SMA f for		22

## ADAPTERS SMA - SMA



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3313331	SMA f - SMA f		13
3317331	SMA f - SMA f panel mount	bulkhead	14
3323331	SMA m - SMA f		15
3323332	SMA m - SMA m		16
3324331	SMA m L SMA f	right angle 90°	19
33090111	SMA f - f - f	T adapter	
33090121	SMA f - m - f	T adapter	

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT

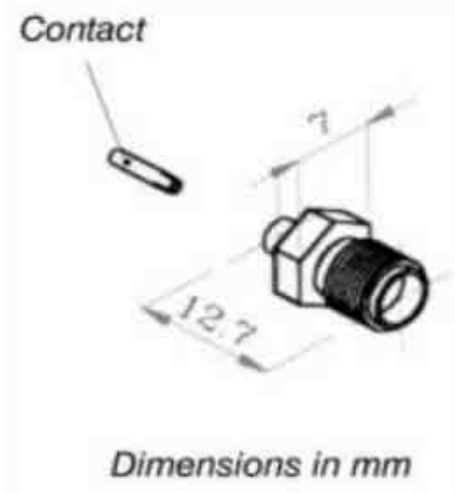


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC3310	Short SMA f		
CC3320	Short SMA m		

## PROTECTIVE CAPS

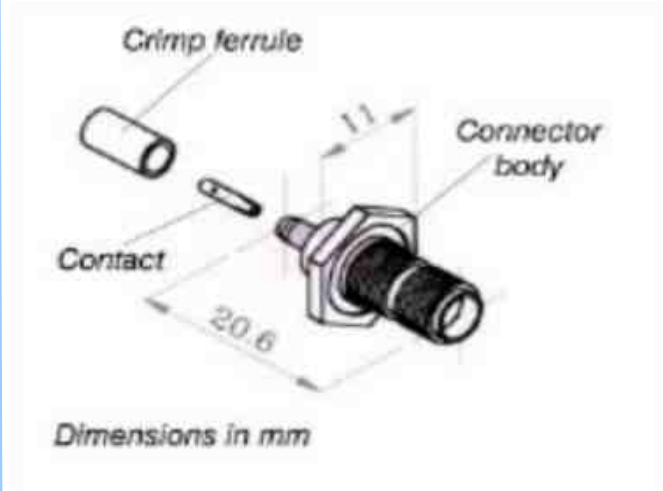
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T3310	Protective cap for SMA m		
T3320	Protective cap for SMA f		17

## DRAWINGS SMA



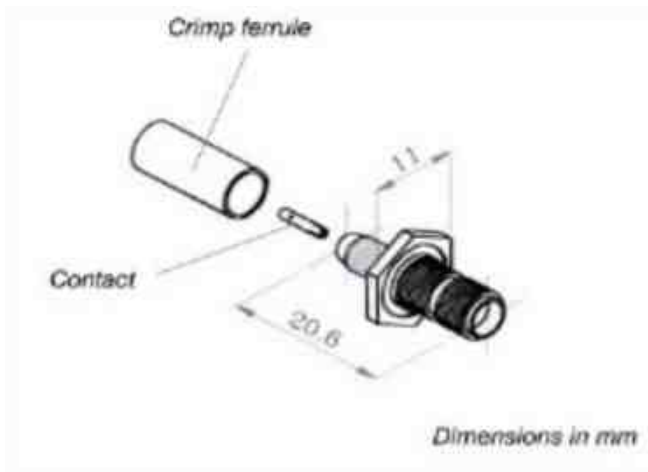
**Fig.1**

**P/N 331023**



**P/N 331835TP**

**Fig.2**



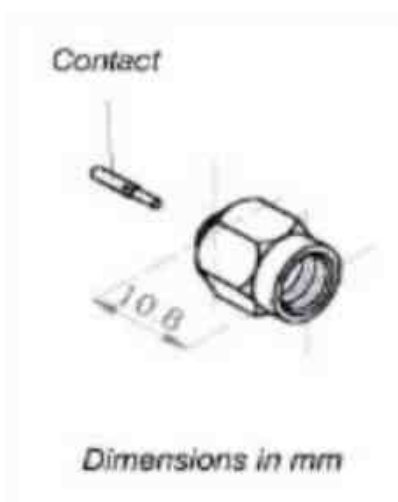
**Fig.3**

**P/N 331856TP**



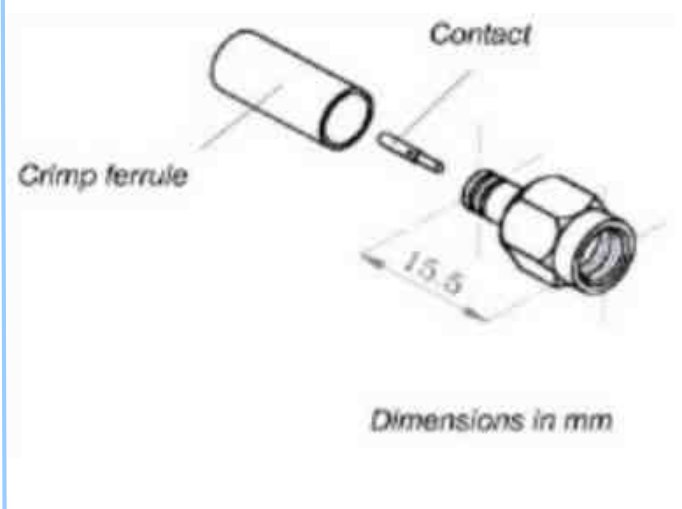
**P/N 332023**

**Fig.4**



**Fig.5**

**P/N 332036**



**P/N 332056TP**

**Fig.6**



# DRAWINGS SMA

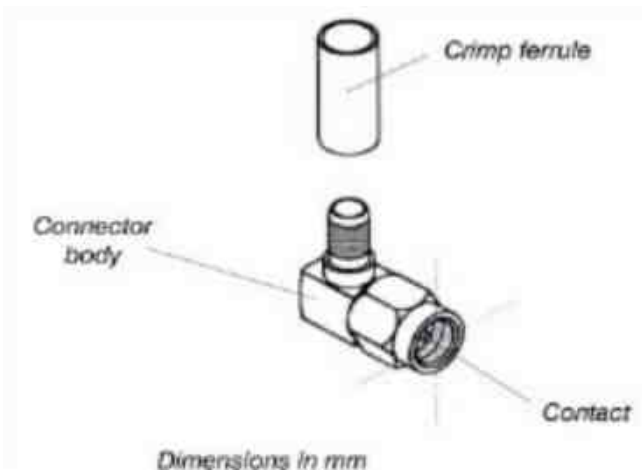
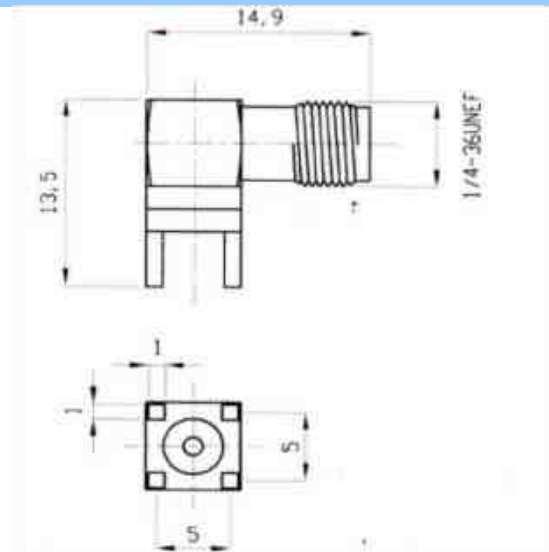


Fig.7

P/N 332456TP



P/N 3314CSLV

Fig.8

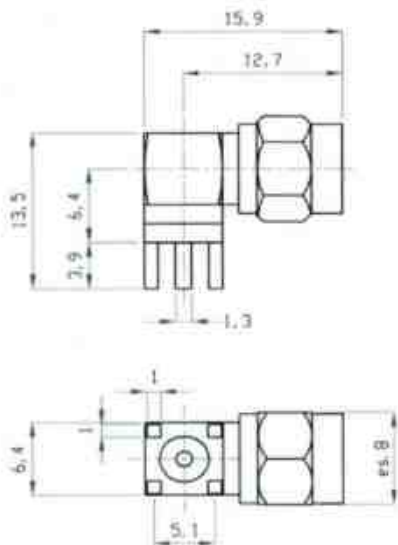
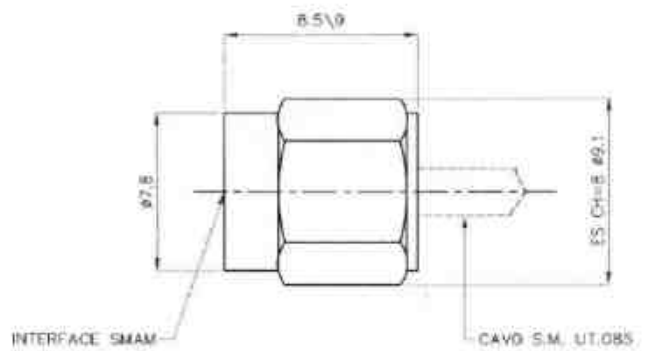


Fig.9

P/N 3324CSLV



P/N 332023LVC

Fig.10

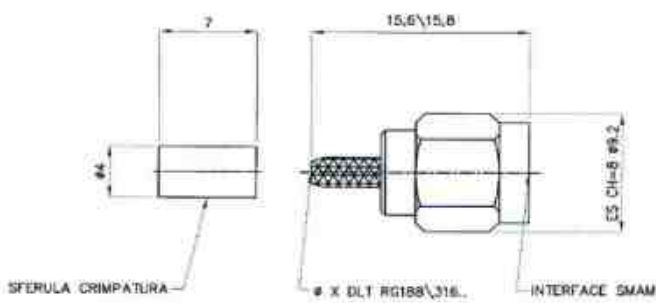
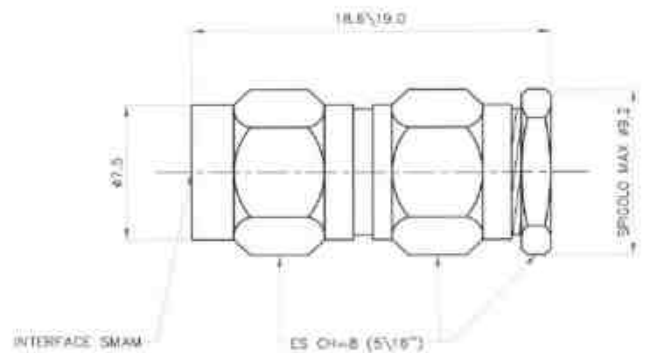


Fig.11

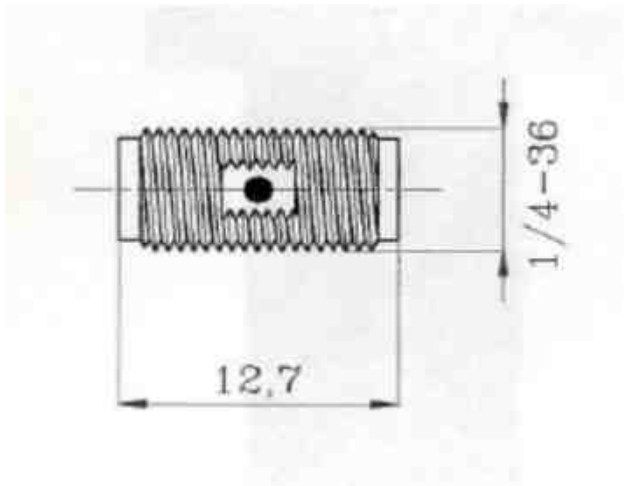
P/N 332035TP



P/N 332056

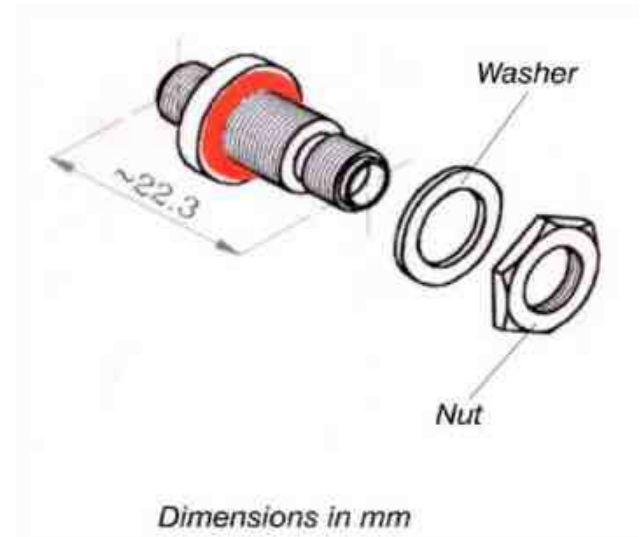
Fig.12

## DRAWINGS SMA



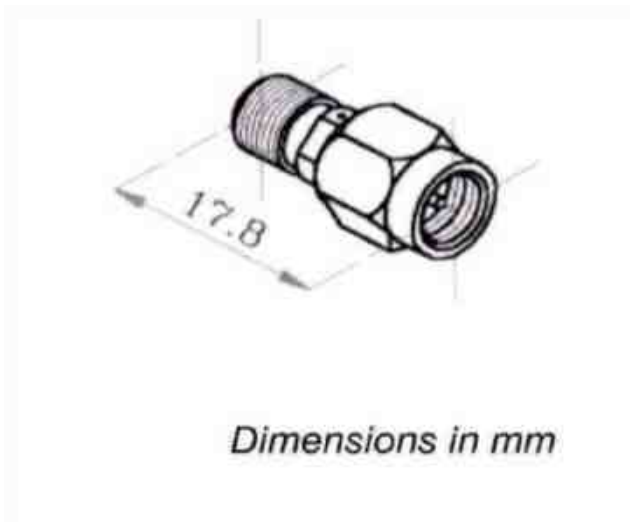
**Fig.13**

**P/N 3313331**



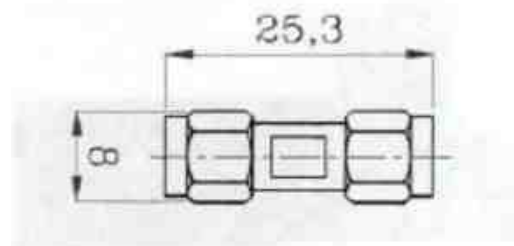
**P/N 3317331**

**Fig.14**



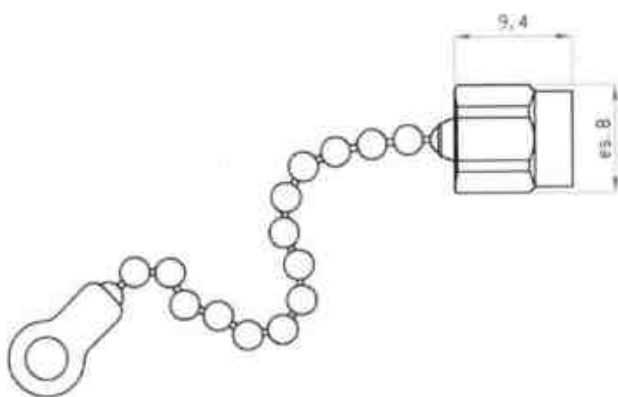
**Fig.15**

**P/N 3323331**



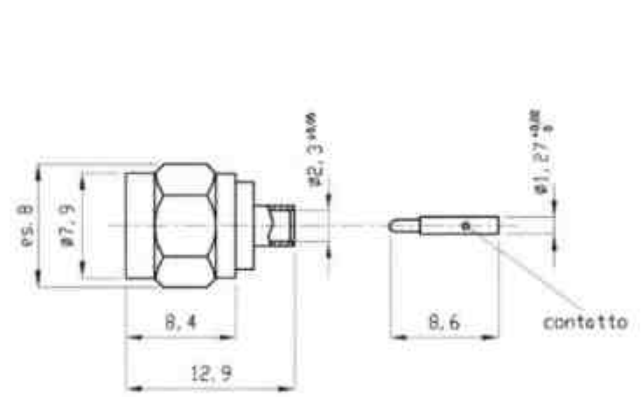
**P/N 3323332**

**Fig.16**



**Fig.17**

**P/N T3320**



**P/N 332023LV**

**Fig.18**

# DRAWINGS SMA

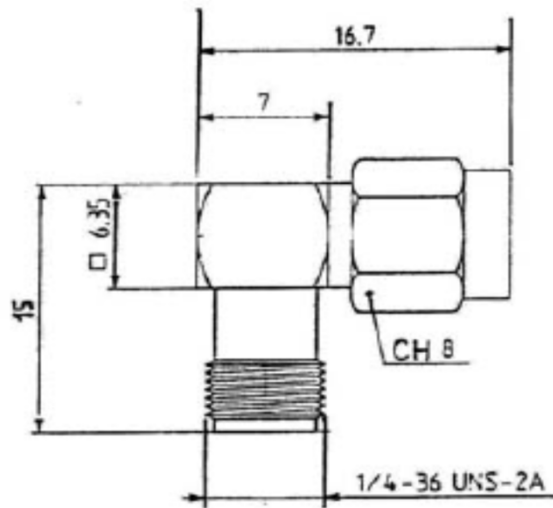
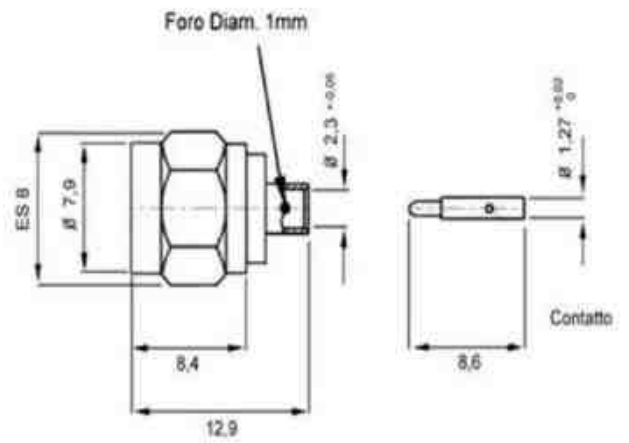


Fig.19

P/N 3324331



P/N 332023LVGX

Fig.20

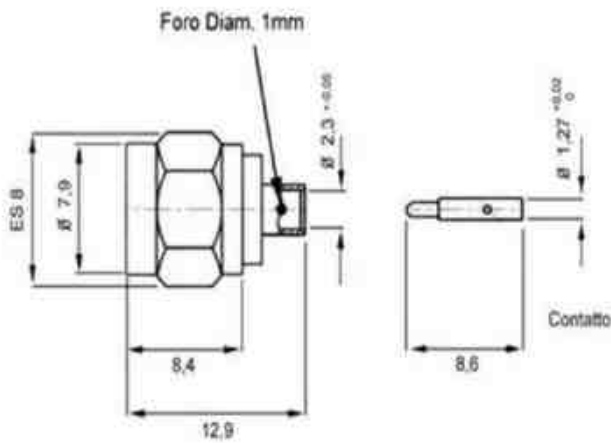
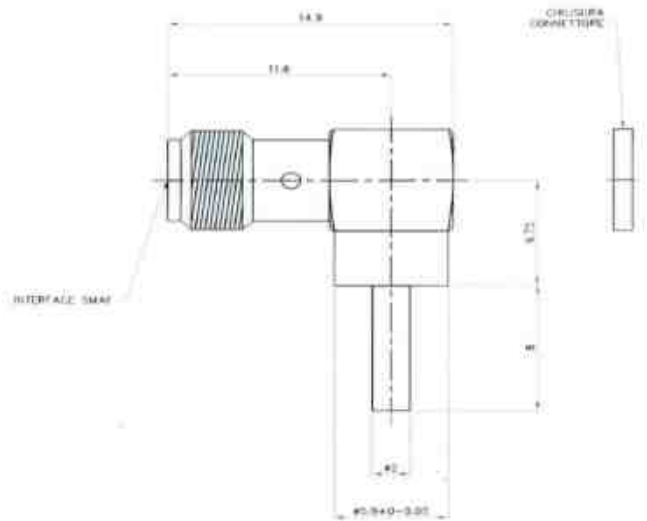


Fig.21

P/N 332023LV-A



P/N MR331400

Fig.22

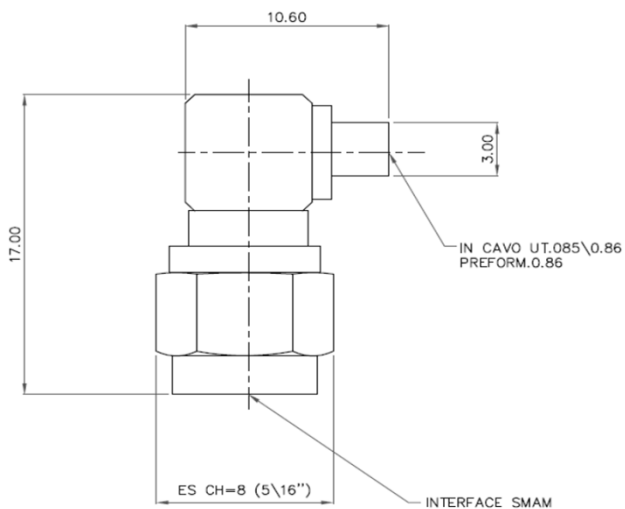
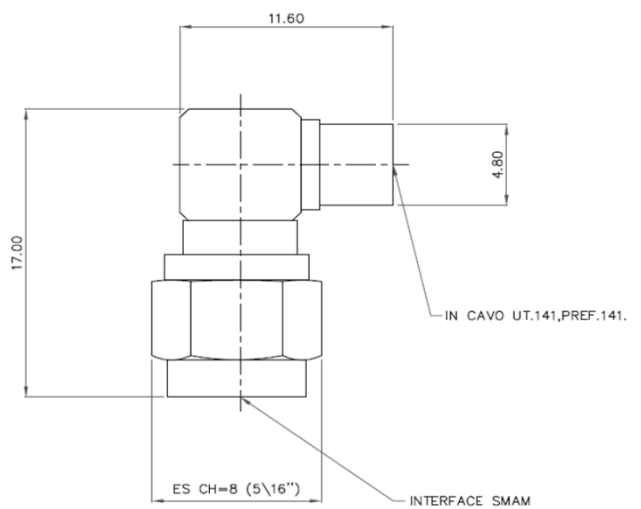


Fig.23

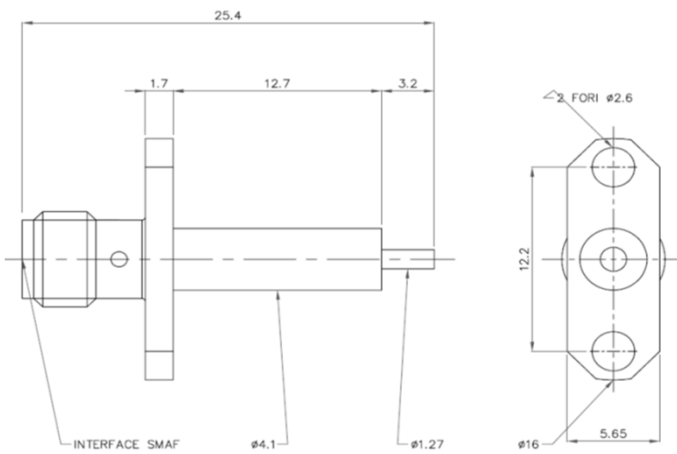
P/N 332423



P/N 332436

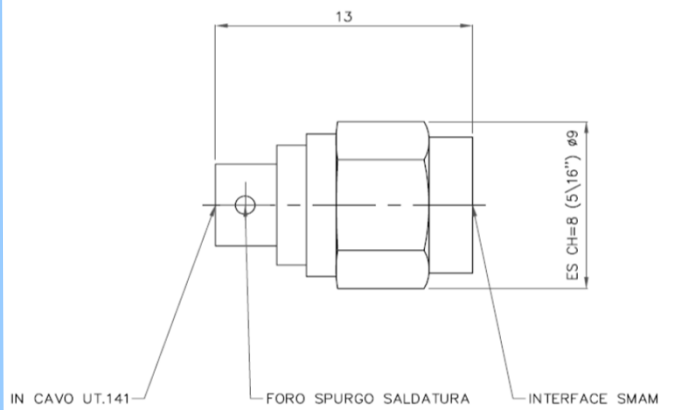
Fig.24

# DRAWINGS SMA



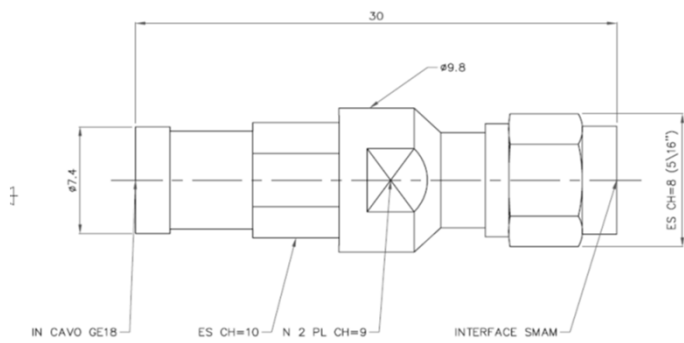
**Fig.25**

**P/N 331500LS**



**P/N 332036LV**

**Fig.26**



**Fig.27**

**P/N 332090**

**P/N**

**Fig.28**

**Fig.29**

**P/N**

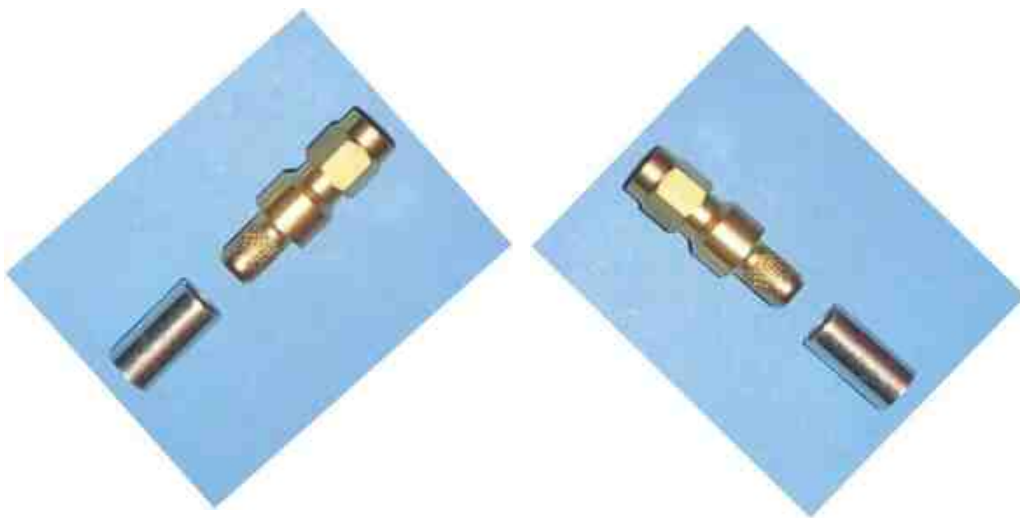
**P/N**

**Fig.30**

# SMA

REVERSE POLARITY

COAXIAL CONNECTORS 50Ω



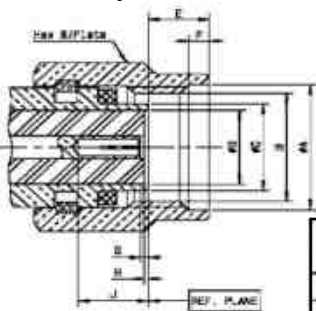
# TECHNICAL INFORMATIONS SMA REVERSE POLARITY

		notes
Frequency range	DC ÷ 18 GHz	right angle connectors max 12,4 GHz
Impedance	50 Ω	
VSWR :	1.05 + 0.005 f /GHz MAX	Semirigid cables
	1.15 + 0.01 f /GHz MAX	RG 223 cable
	1.15 + 0.02 f /GHz MAX	RG 122 cable
	1.20 + 0.025 f /GHz MAX	RG 178 cable
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤3.0 mΩ	
	outer ≤2,5 mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL-STD-202,method 213,condition I	
Interface dimensions	Europe: CECC 22110	
	USA: MIL-C-39012- SMA	
	International: IEC 61169-15	
	Interface: MIL-STD-348a/310	

Above, are typical characteristics of SMA reverse polarity connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

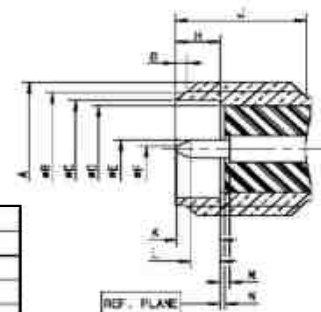
## INTERFACE

Male body - Female contact



Lettera	mm	
	min.	max.
A DIA	6.35	
B	1/4-36 UNS-2B	
C DIA		4.59
D DIA	4.1 nominal	
E		3.43
F	0.38	1.14
G	0	0.25
H	0	0.2
J	2.92	

Female body - Male contact




Lettera	mm	
	min.	max.
A	1/4-36 UNS-2A	
B DIA	5.28	5.49
C DIA	4.596	
D DIA	4.1 nominal	
E DIA	0.9	0.94
F DIA		0.3
G	0.38	1.14
H	1.88	1.98
J	4.31	
K		2.54
L	1.27	
M	0	0.25
N	0	0.2

# FLEXIBLE CABLE CONNECTORS

## STRAIGHT MALE BODY-FEMALE CONTACT CRIMP



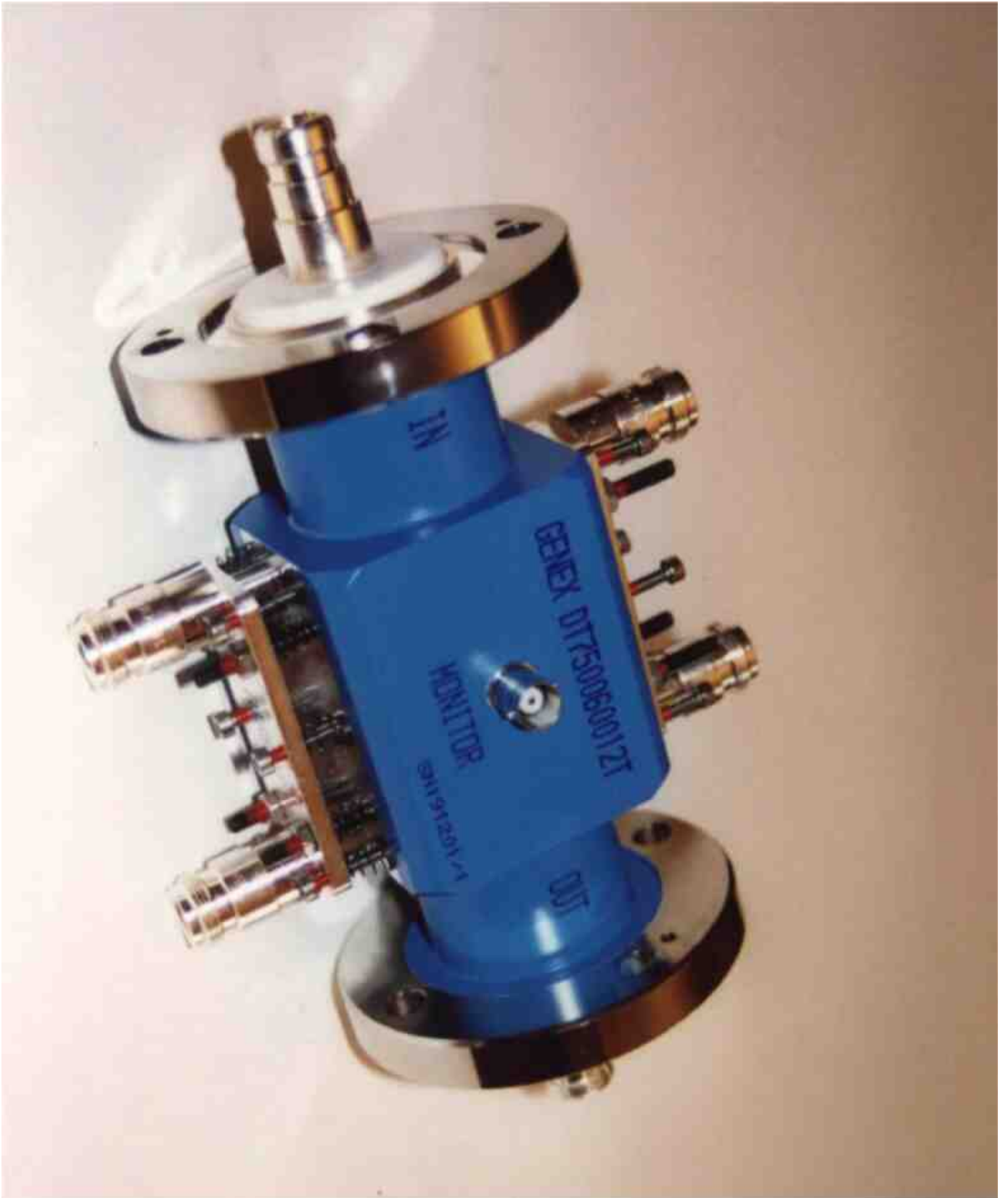
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
071087TP 	SMA R.P.fem. contact for S04272B Suhner-H155 Belden		



# SSMA

COAXIAL CONNECTORS 50Ω





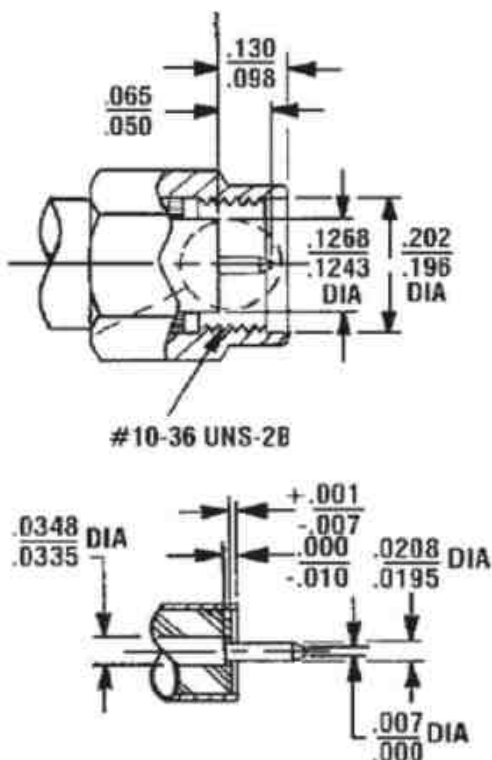
# TECHNICAL INFORMATIONS SSMA

		notes
Frequency range	DC ÷ 26 GHz	
Impedance	50 Ω	
VSWR :	1.05 + 0.005 f /GHz MAX	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤4.0 mΩ	
	outer ≤2.0 mΩ	
Dielectric	750V rms 50Hz	
Temperature range	-65°C ÷ +165°C	
Thermal shock	GJB681A MIL-C-39012	
Shock termico	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL-STD-202,method 213,condition I	

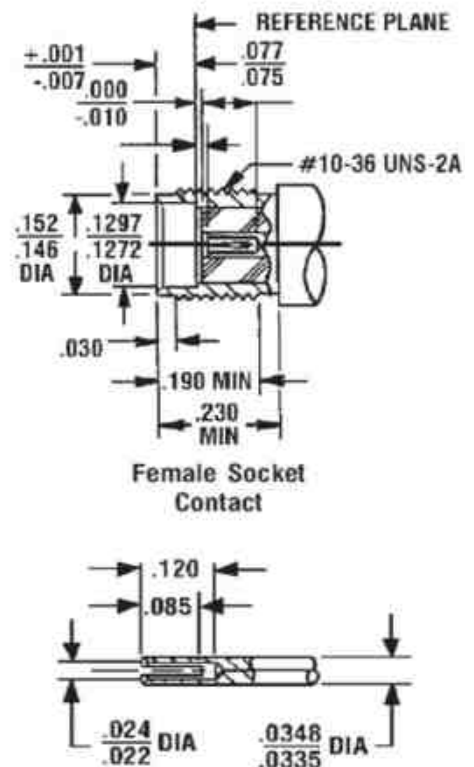
Above, are typical characteristics of SSMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**

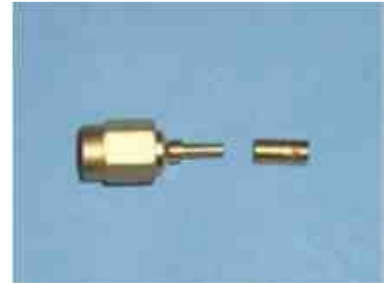


**Jack (female)**



## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
382017TP	SSMA m for RG 178		2

### RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
382417TP	SSMA m for RG 178		

## SEMIRIGID CABLE CONNECTORS

### RIGHT ANGLE 90° PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
382423	SSMA m for UT.085		

## RECEPTACLES WITH SOLDER END


### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
381700 	SSMA f solder contact	bulkhead	
381595GO	SSMA f long teflon	flange 9,5x9,5	1


### STRAIGHT PANEL PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3825CS	SSMA m for pcb	flange 9,5x9,5	
3825GO 	SSMA m long teflon	flange 9,5x9,5	
3825LSGO	SSMA m long teflon	lozenge	

### RIGHT ANGLE 90° PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
381400 	SSMA f solder contact	flange 9,5x9,5	

## DRAWINGS SSMA

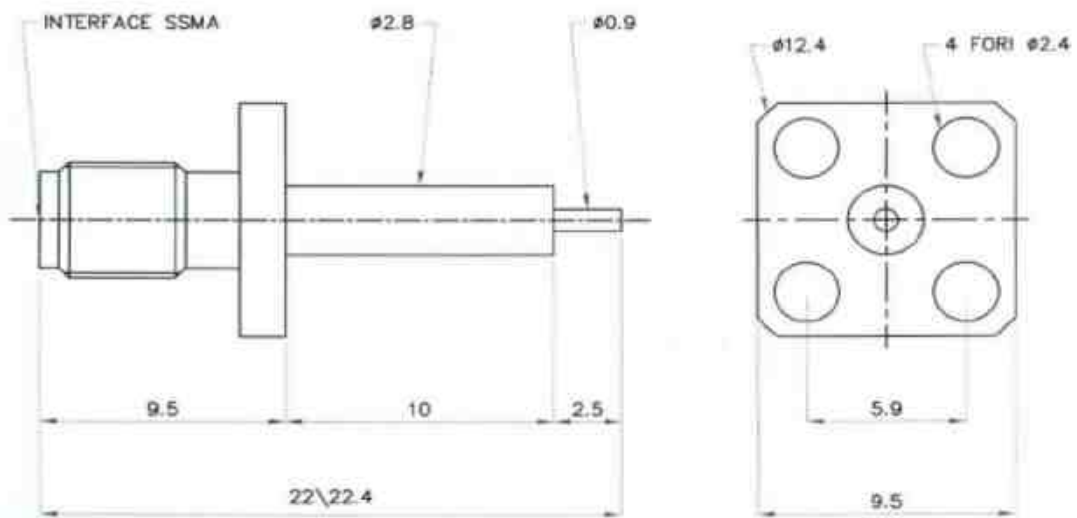


Fig.1

P/N 381595GO

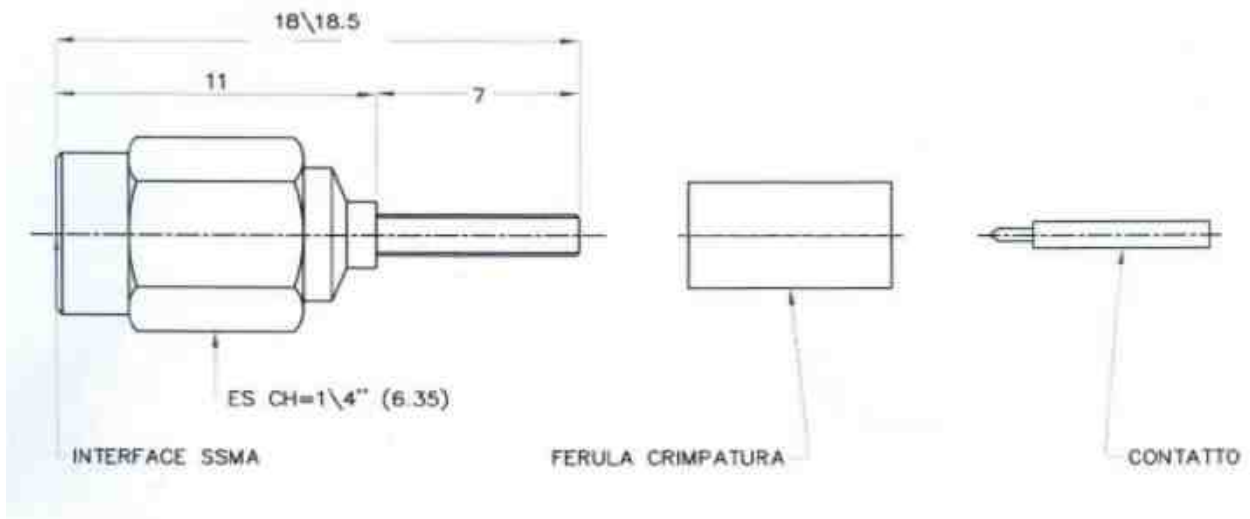


Fig.2

P/N 382017TP

Fig.3

P/N

Fig.4

Fig.4

# PC3.5

COAXIAL CONNECTORS 50Ω





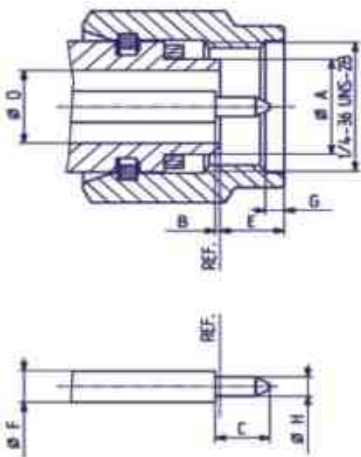
# TECHNICAL INFORMATIONS PC 3.5

		notes
Frequency range	DC ÷ 32 GHz	
Impedance	50 Ω	
VSWR :	1.13 Max ( 26,5 GHz )	UT.085 cable
	1.10 Max (26,5 GHz )	UT.141 cable
	1.29 Max (32,0 GHz )	Typical
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤3.0 mΩ	
	outer ≤2.0 mΩ	
Temperature range	-65°C ÷ +90°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL-STD-202,method 213,condition I	

Above, are typical characteristics of PC 3.5 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

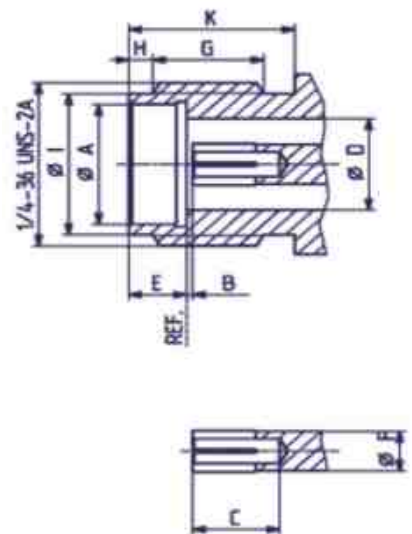
## INTERFACE

**Plug (male)**



	Plug		Jack	
	min.	max.	min.	max.
A	4.55/.179	4.58/.180	4.60/.181	4.63/.182
B	0.00/.000	0.08/.003	0.00/.000	0.08/.003
C	2.03/.080	2.29/.090	2.79/.110	3.18/.125
D	3.49/.138	3.51/.138	3.49/.138	3.51/.138
E	2.36/.093	3.56/.135	1.88/.074	1.98/.078
F	1.51/.060	1.52/.060	1.51/.060	1.52/.060
G	0.38/.015	1.14/.045	3.35/.132	4.62/.182
H	0.92/.036	0.93/.037	0.38/.015	1.14/.045
I	-	-	5.30/.209	5.40/.213
K	-	-	5.54/.218	-

**Jack (female)**



## SEMIRIGID CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
952023	PC3.5 m for UT.085		2
952036	PC3.5 m for UT.141		

### STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
951023	PC3.5 f for UT.085		1
951036	PC3.5 f for UT.141		

## ADAPTERS PC3.5 - PC3.5

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
9517951	PC3.5 f - PC3.5 f panel mount	bulkhead	3

For others combinations, see section " COAXIAL ADAPTERS"

# DRAWINGS PC3.5

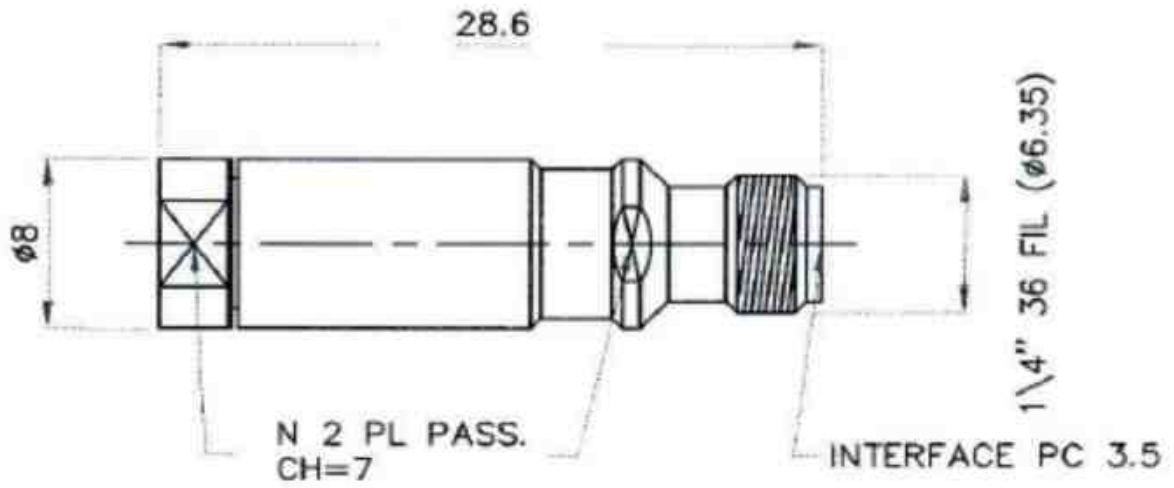


Fig.1

P/N 951023

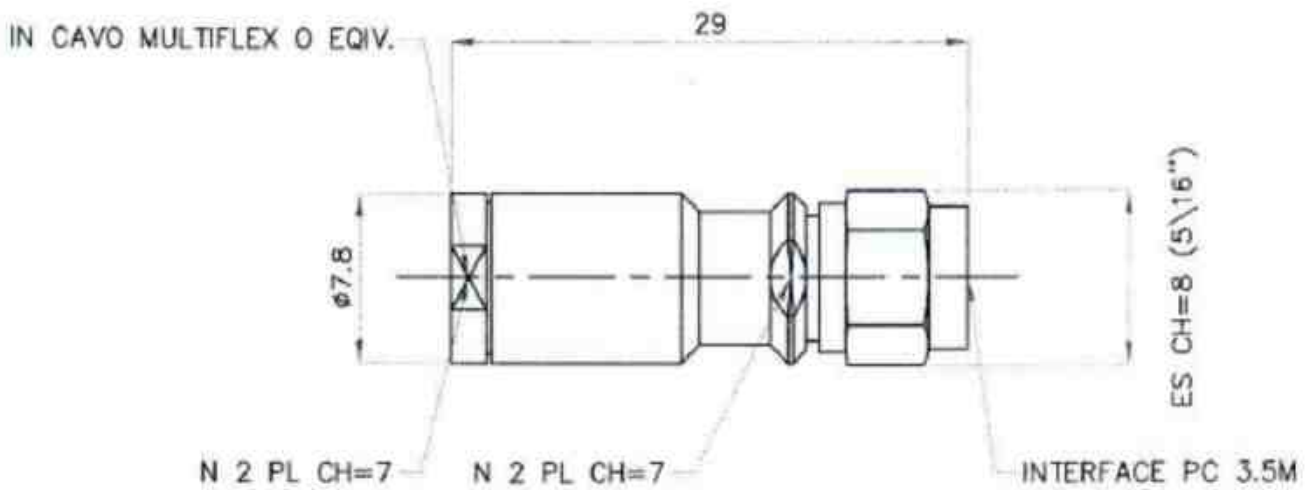


Fig.2

P/N 952023

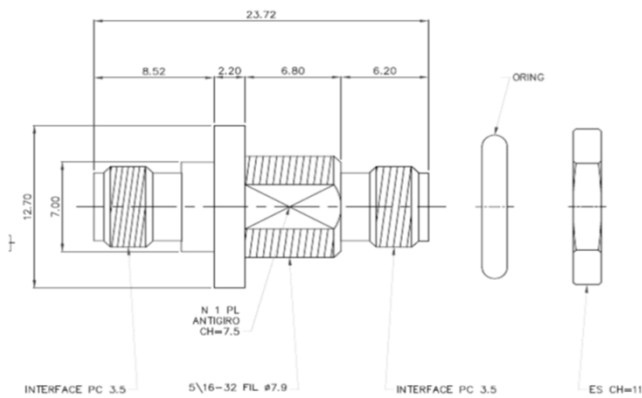


Fig.3

P/N 9517951

P/N

Fig.4

# SIS

## COAXIAL CONNECTORS 50Ω



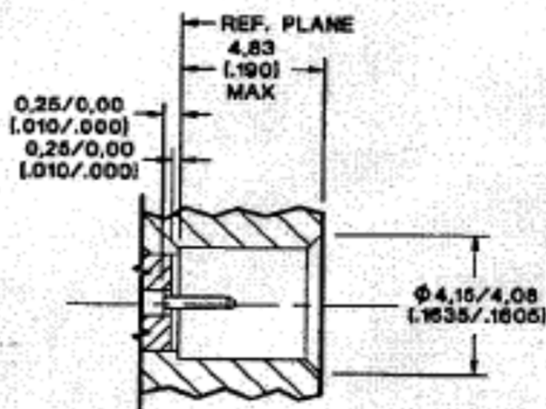
# TECHNICAL INFORMATIONS SIS

		notes
Frequency range	DC ÷ 18 GHz	
Impedance	50 Ω	
VSWR :	1.05+.008 f (GHz) Max	
Insulation	≥ 1 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤3.0 mΩ	
	outer ≤3.0 mΩ	
Dielectric	1000 V rms 50Hz	depending on cable
Temperature range	-65°C ÷ +125°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL-STD-202,method 213,condition I	

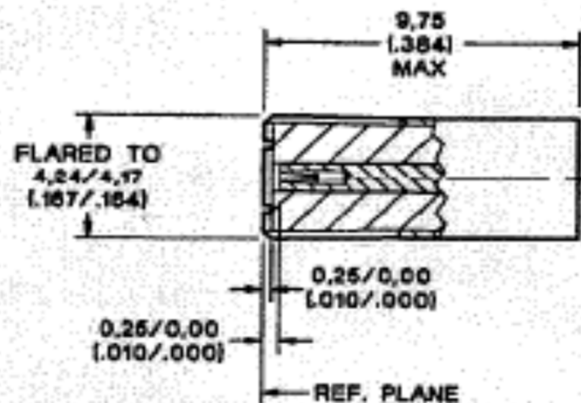
Above, are typical characteristics of SIS connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**



**Jack (female)**



## FLEXIBLE CABLE CONNECTORS

### RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
572435TP	SIS m for RG 174-188-316		1

### STRAIGHT PANEL PLUGS (M) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
572835TP	SIS m for RG 316	floating panel	4

### STRAIGHT PANEL JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
571835TP	SIS f for RG 316	bulkhead	3

## ADAPTERS SIS - SMA



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
5713331	SIS f - SMA f		2

# DRAWINGS SIS

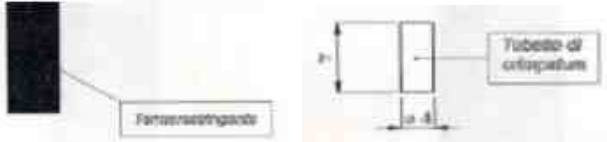
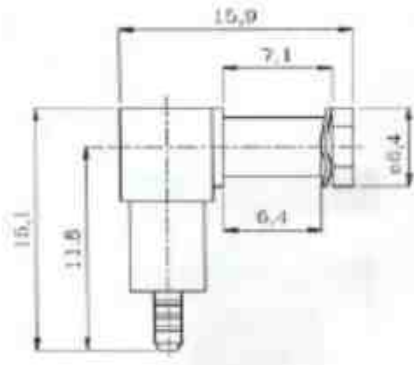
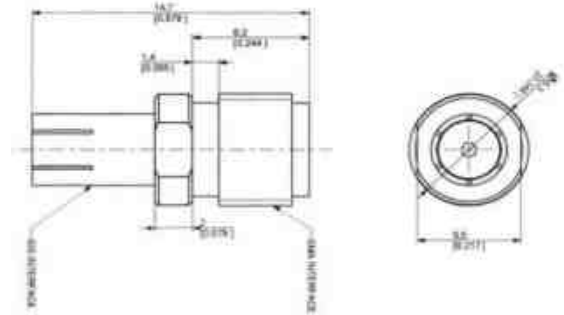


Fig.1

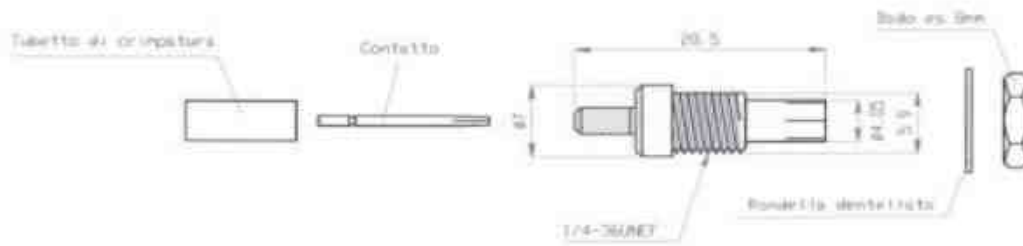
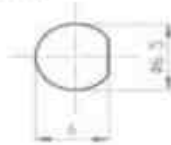
P/N 572435TP



P/N 5713331

Fig.2

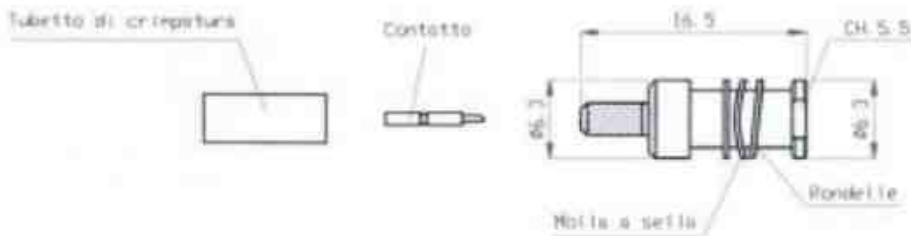
Foratura: pernello



Crimpare con pinza SUNNER 75Z-0-0-1 con inserti 76Z-0-2-51

Fig.3

P/N 571835TP



Crimpare con pinza SUNNER 75Z-0-0-1 con inserti 76Z-0-2-51

Fig.4

P/N 572835TP



# SMS

## COAXIAL CONNECTORS 50Ω



# TECHNICAL INFORMATIONS SMS

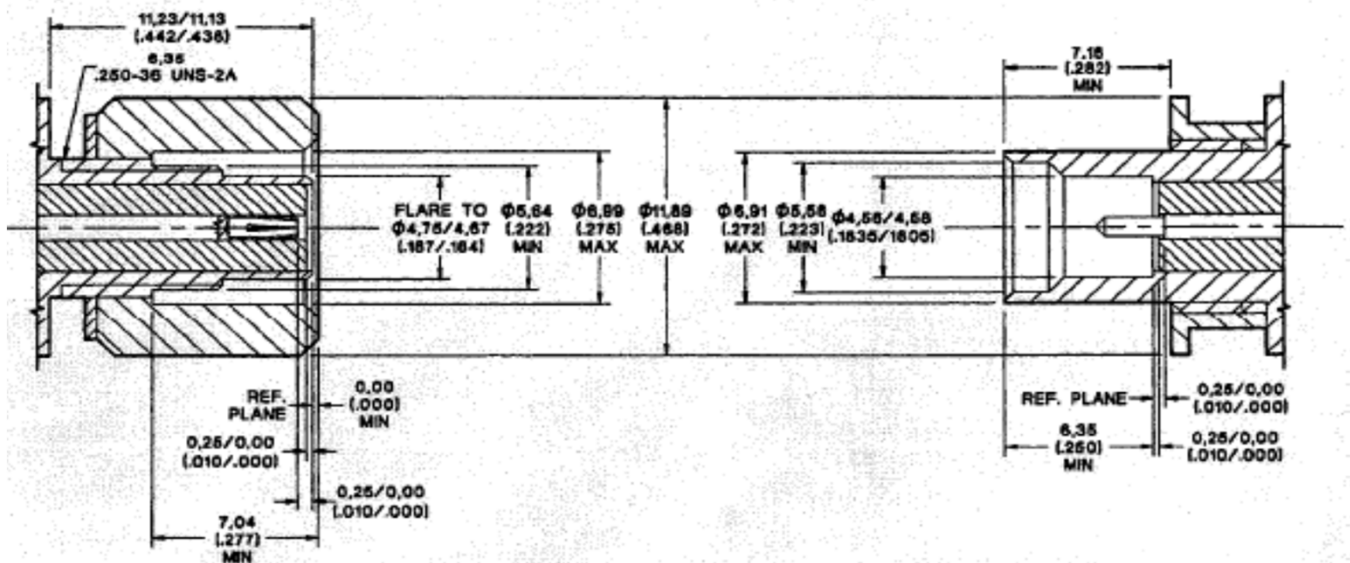
		notes
Frequency range	DC ÷ 18 GHz	
Impedance	50 Ω	
VSWR :	1.10+.005 f (GHz)	RG 402/U cable
	1.10+.005 f (GHz)	RG 405/U cable
	1.15+.02 f (GHz)	RG 316/U cable
	1.15+.01 f (GHz)	RG 142/U cable
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤3.0 mΩ	
	outer ≤2.0 mΩ	
Dielectric	750 V rms 50Hz	depending on cable
Temperature range	-65°C ÷ +125°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	

Above, are typical characteristics of SMS connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Jack (female)**

**Plug (male)**



## FLEXIBLE CABLE CONNECTORS

### RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
542435TP	SMS m for RG 174-188-316	floating panel	1

## SEMIRIGID CABLE CONNECTORS 50 Ω

### RIGHT ANGLE 90° PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
542436	SMS m for UT.141	floating panel	2

## PCB CONNECTORS


### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
541513CS	SMS f panel mount	flange 12,7x12,7	3

## ADAPTERS SMS - SMA



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
5413331 	SMS f - SMA f		

# DRAWINGS SMS

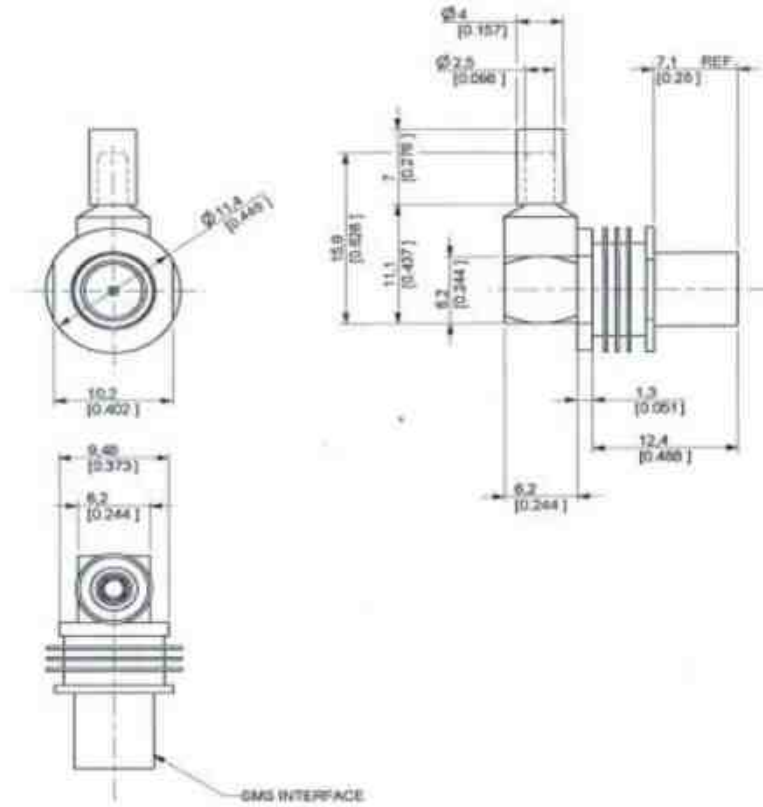


Fig.1

P/N 542435TP

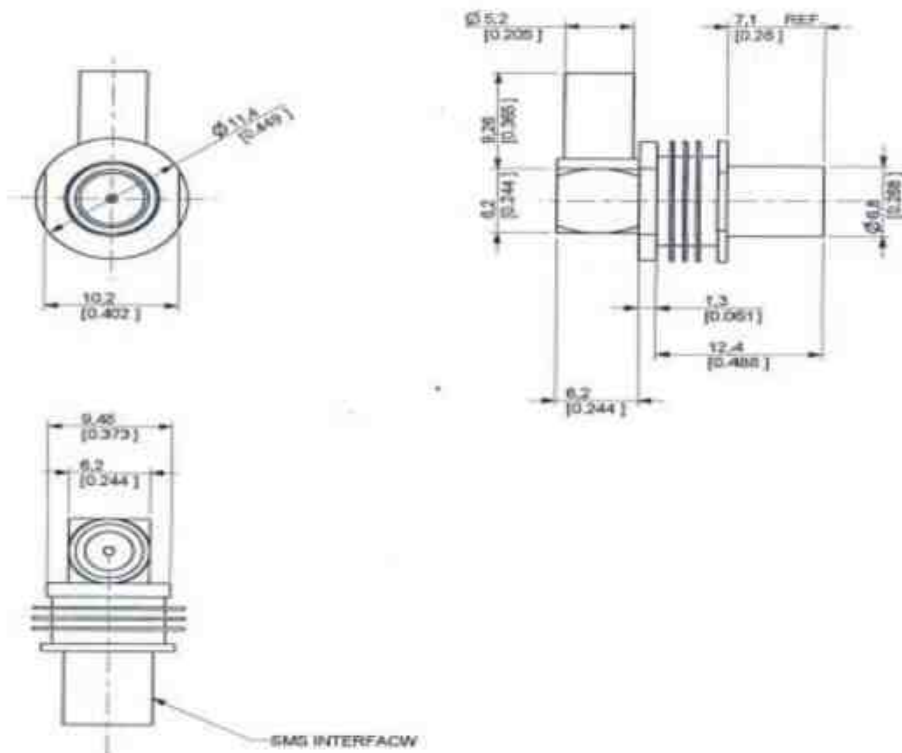
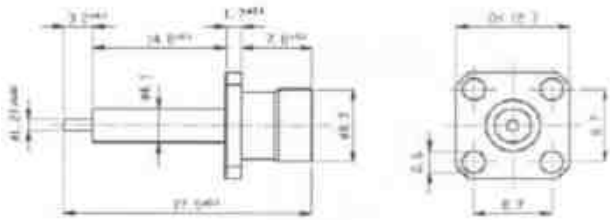


Fig.2

P/N 542436

**DISEGNI SERIE SMS**



**Fig.3**

**P/N 541513CS**

**Fig.4**

**Fig.5**

**Fig.6**

**Fig.7**

**P/N**

**Fig.8**

# SMP

## COAXIAL CONNECTORS 50Ω





# TECHNICAL INFORMATIONS SMP

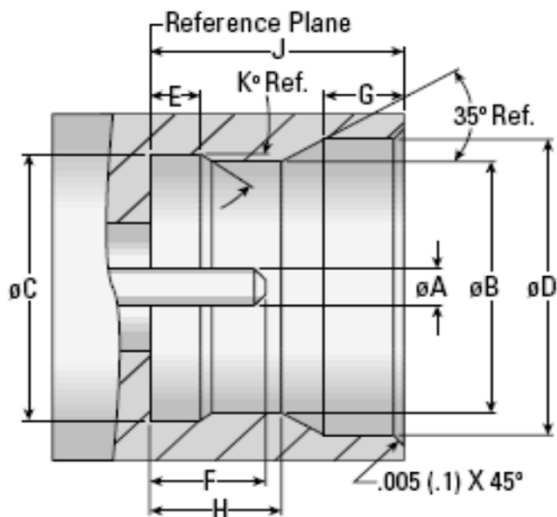
notes

Frequency range	DC ÷ 40 GHz	
VSWR :	1.18 MAX	DC ÷ 12 GHz
	1.25 MAX	12 ÷ 26 GHz
	1.5 MAX	26 ÷ 40 GHz
Impedance	50 Ω	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤6.0 mΩ	
	outer ≤2.0 mΩ	
Temperature range	-65°C ÷ +165°C	
Shock	MIL-STD-202,method 213,condition I	
Thermal shock	MIL-STD-202,method 107,condition B	
Vibration	MIL-STD-202,method 204,condition D	

Above, are typical characteristics of SMP connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

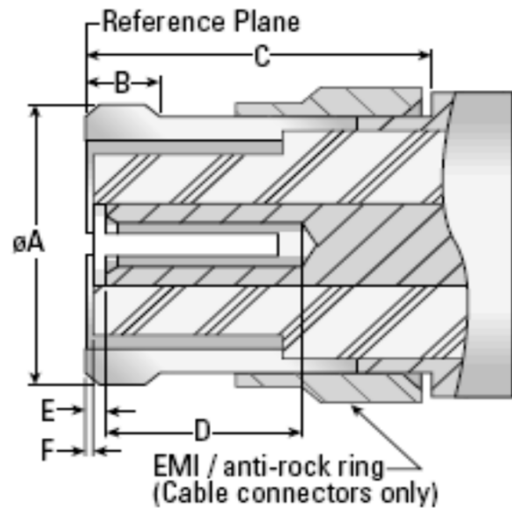
## INTERFACE

**Plug (male)**



Dimension	Full Detent		Limited Detent		Smooth Bore	
	Min.	Max.	Min.	Max.	Min.	Max.
øA	.014	.016	.014	.016	.014	.016
øB	.114	.118	.118	.122	.123	.127
øC	.124	.126	.124	.126	N/A	N/A
øD	.139	.145	.139	.145	.139	.145
E	.0205	.0235	.0205	.0235	N/A	N/A
F	.045	.055	.045	.055	.045	.055
G	.033	.037	.033	.037	.033	.037
H	.051	.057	.054	.060	.059	.065
J	.108	.112	.108	.112	.108	.112
K	28°	32°	28°	32°	N/A	N/A

**Jack (female)**




Dimension	Cabled		Uncabled	
	Min.	Max.	Min.	Max.
øA	—	.135	—	.135
B	.025	.035	.018	.025
C	.132	—	.112	—
D	.070	—	.070	—
E	.000	.008	.000	.008
F	.000	.010	.000	.010

## SEMIRIGID CABLE CONNECTORS


### STRAIGHT PANEL PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS222023 	SMP m for UT.085 (LIMITED DETENT)	body threaded	7
KS222089	SMP m for UT.047 (LIMITED DETENT)	body threaded	

### STRAIGHT PANEL JACKS (F)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS221023 	SMP f for UT.085 (LIMITED DETENT)	bulkhead	1
KS221089	SMP f for UT.047 (LIMITED DETENT)	bulkhead	

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS220300 	SMP m threaded body (LIMITED DETENT)	slide contact	2

## PCB PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR882000CS	SMP m pcb (LIMITED DETENT)		3

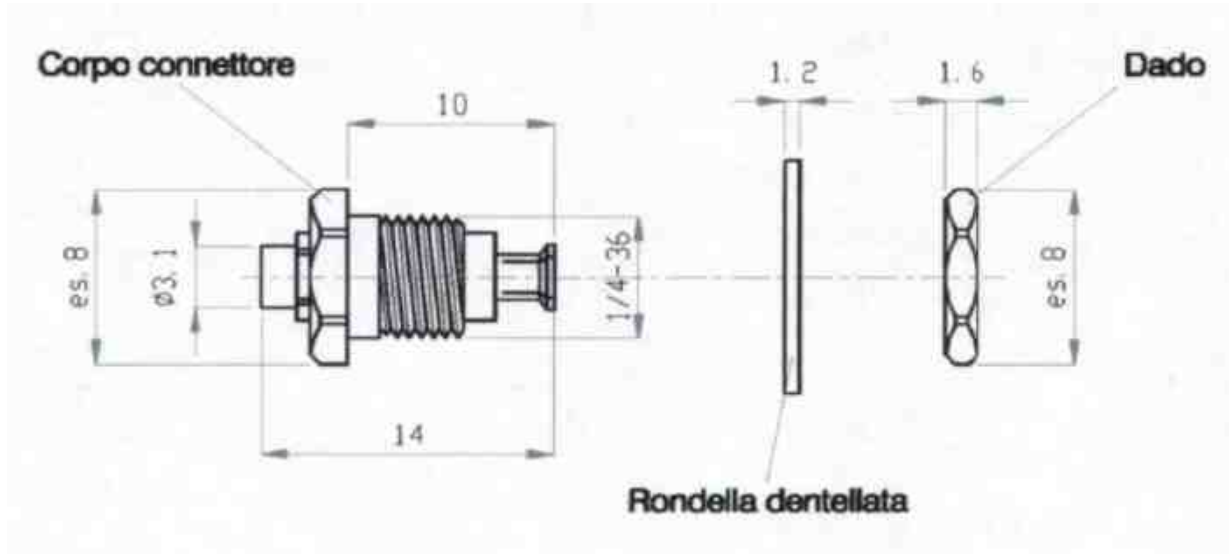
## ADAPTERS / BULLET SMP - SMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR8813881A	SMP f - SMP f (LIMITED DETENT)	L = 24,1 mm	
MR8813881C	SMP f - SMP f (LIMITED DETENT)	L = 18,7 mm	
MR8813881E	SMP f - SMP f (LIMITED DETENT)	L = 21,3 mm	4
MR8813881F 	SMP f - SMP f (LIMITED DETENT)	L = 23,0 mm	5
MR8813881G	SMP f - SMP f (LIMITED DETENT)	L = 16,1 mm	6
MR8813881N	SMP f - SMP f (LIMITED DETENT)	L = 11,4 mm	

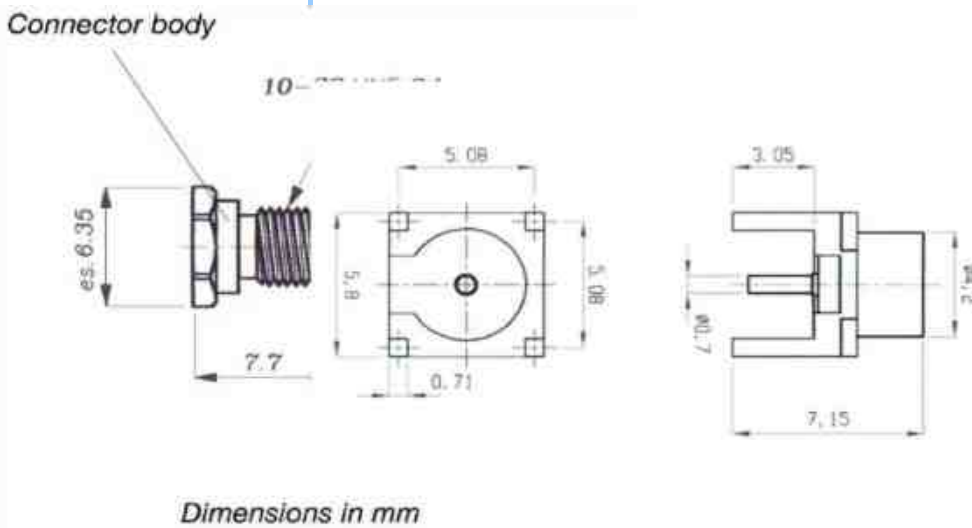
For others combinations, see section " COAXIAL ADAPTERS"

# DRAWINGS SMP



F P/N KS221023

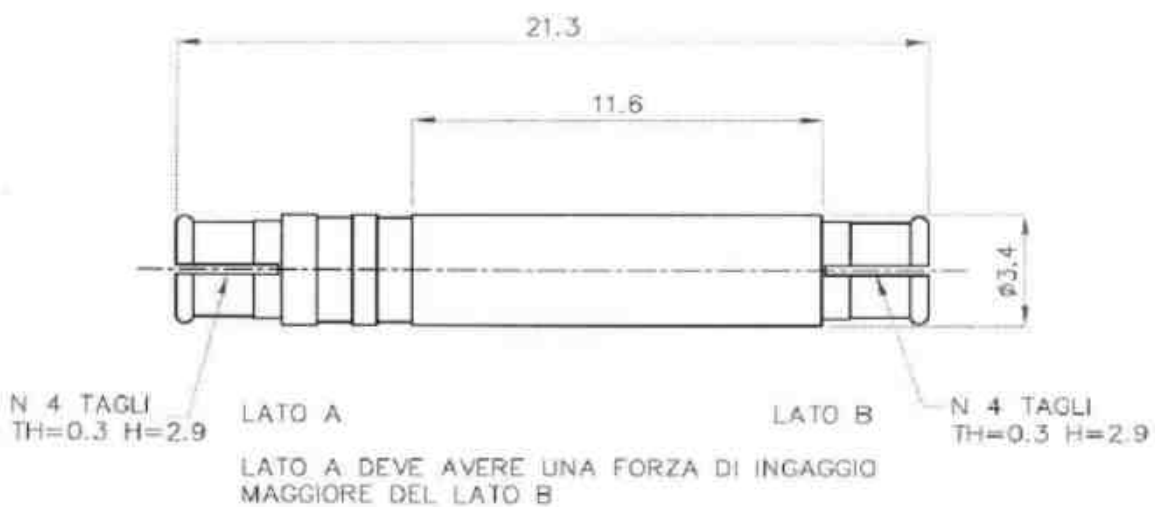
Fig.2



Dimensions in mm

F P/N P/ Fig.3

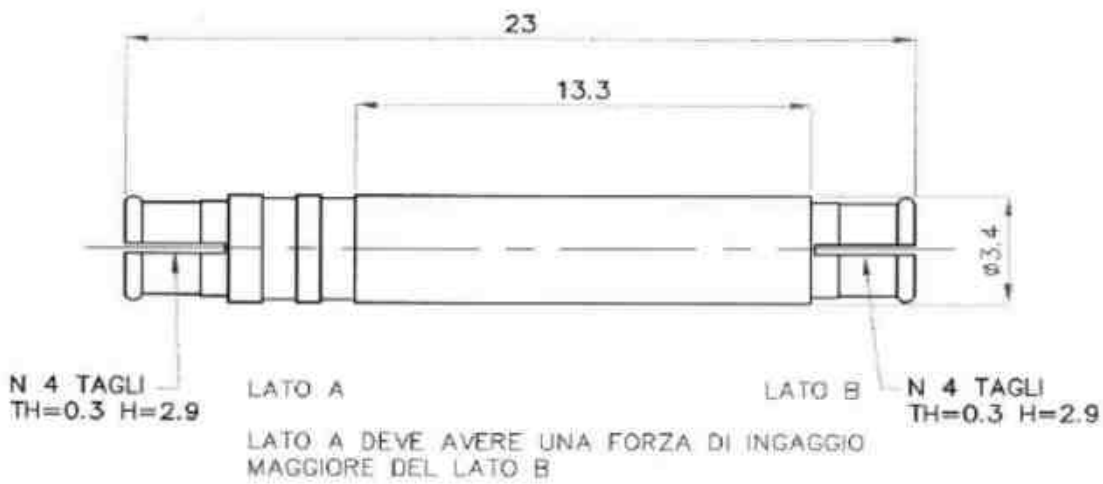
Fig.4



F P/N MR8813881E

Fig.6

# DRAWINGS SMP



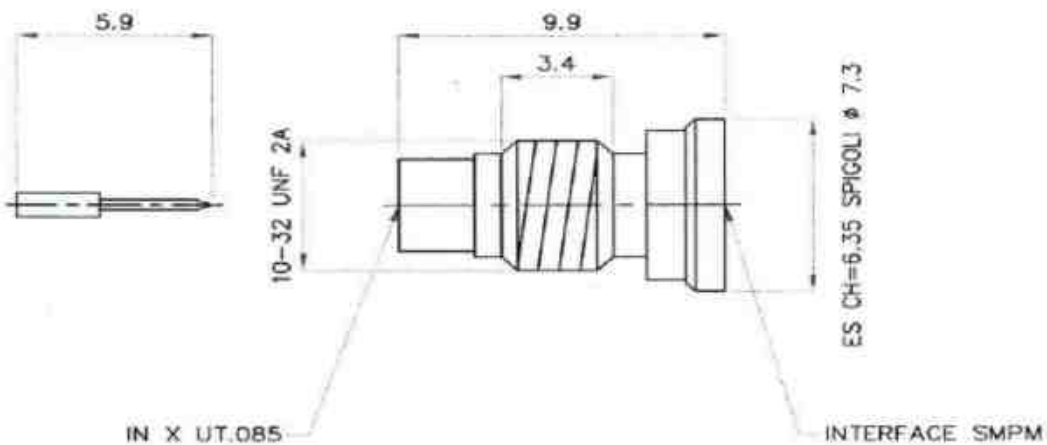
F P/N MR8813881F

Fig.8



F P/N MR8813881G

Fig.10



F P/N KS222023

Fig.12

# SMC

## COAXIAL CONNECTORS 50Ω



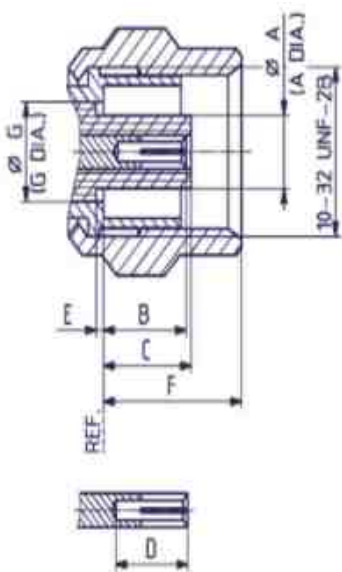
# TECHNICAL INFORMATIONS SMC

		notes
Frequency range	DC ÷ 10 GHz	
Impedance	50 Ω	
VSWR :	1.6 MAX	
Insulation	≥1* 10 <sup>4</sup> MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤2.5 mΩ	
Dielectric	750 V rms 50Hz	depending on cable
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Interface dimensions	Europe: CECC 22140	
	USA: MIL-C-39012- SMC	
	International: IEC 60169-9	
	Interface: MIL-STD-348a/312	

Above, are typical characteristics of SMC connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

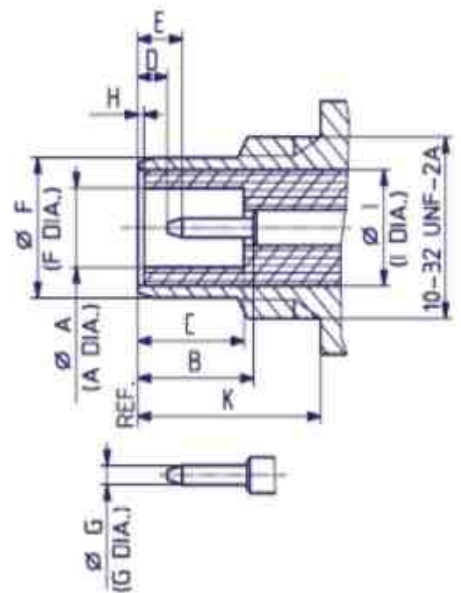
## INTERFACE

Corpo Maschio Contatto Femmina



	Plug		Jack	
	min.	max.	min.	max.
A	-	2.60/.081	2.08/.082	-
B	2.85/.112	3.40/.134	3.40/.134	-
C	-	3.40/.134	3.40/.134	-
D	2.79/.110	-	0.61/.024	-
E	0.00/.000	-	-	2.13/.084
F	-	5.92/.233	-	3.71/.146
G	3.05/.120 nom.		0.48/.019	0.53/.021
H	-	-	0.00/.000	-
I	-	-	3.05/.120 nom.	
K	-	-	5.94/.234	-

Corpo Femmina Contatto Maschio



## FLEXIBLE CABLE CONNECTORS

### STRAIGHT MALE BODY-FEMALE CONTACT SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
351017	SMC female contact for RG 178-196		
351035	SMC female contact for RG 174-188-316		

### STRAIGHT MALE BODY-FEMALE CONTACT CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
351017TP	SMC female contact for RG 178-196		
351035TP	SMC female contact for RG 174-188-316		1
351087TP	SMC fem.contact for S04272B Suhner-H155 Belden		3

### STRAIGHT FEMALE BODY-MALE CONTACT SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
352017	SMC male contact for RG 178-196		
352035	SMC male contact for RG 174-188-316		




## STRAIGHT FEMALE BODY-MALE CONTACT CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
352017TP	SMC male contact for RG 178-196		
352035TP	SMC male contact for RG 174-188-316		

## SEMIRIGID CABLE CONNECTORS

### STRAIGHT MALE BODY-FEMALE CONTACT




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
351023 	SMC female contact for UT.085		6

## RECEPTACLES WITH SOLDER END


### STRAIGHT PANEL FEMALE BODY-MALE CONTACT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
352015GO 	SMC male custom contact	flange 9,5x9,5	2


## RIGHT ANGLE 90° FEMALE BODY-MALE CONTACT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
352413 	SMC male solder contact		
352400CS	SMC male contact for pcb		5

## ADAPTERS SMC - SMC



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3513351	SMC female contact - SMC female contact		
3523352	SMC male contact - SMC male contact		
3527352	SMC male contact - SMC male contact	bulkhead	4
35090111	SMC 3 for female contact	T adapter	
35090121 	SMC 2 for female contact - 1 for male contact	T adapter	

For others combinations, see section " COAXIAL ADAPTERS"

# DRAWINGS SMC

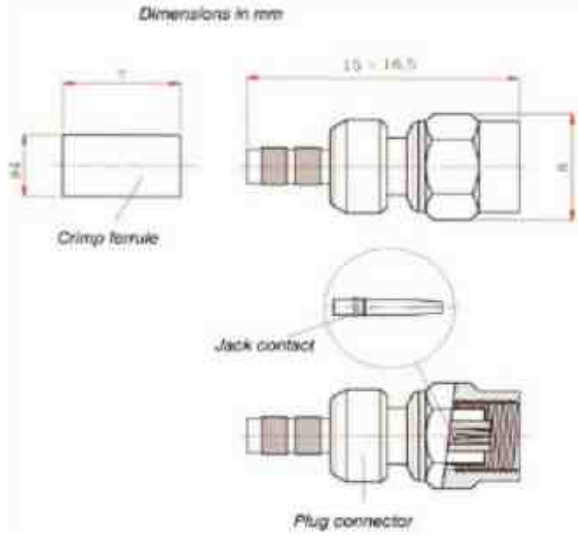
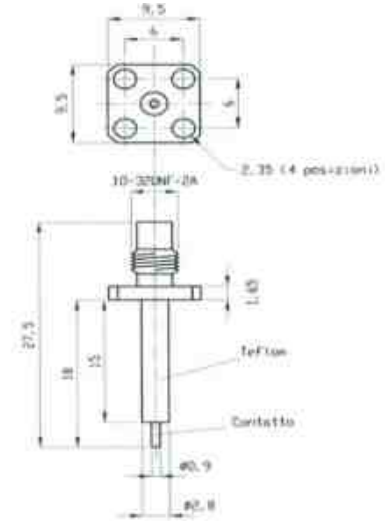


Fig.1

P/N 351035TP



P/N 352015GO

Fig.2

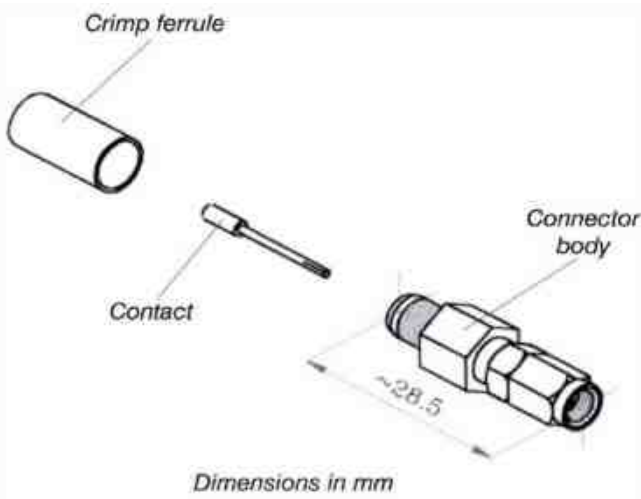
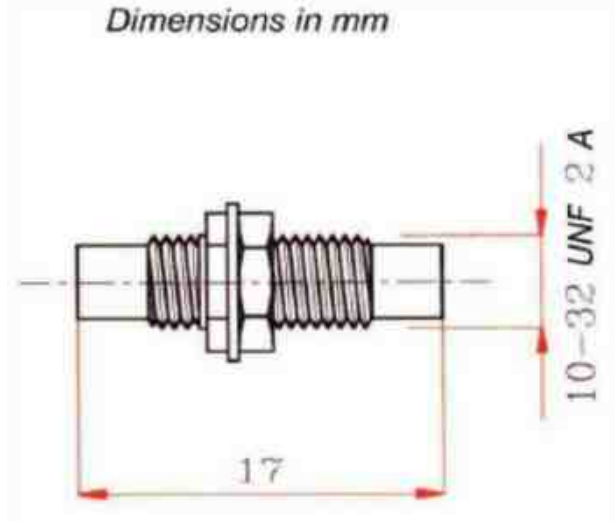


Fig.3

P/N 351087TP



P/N 3527352

Fig.4

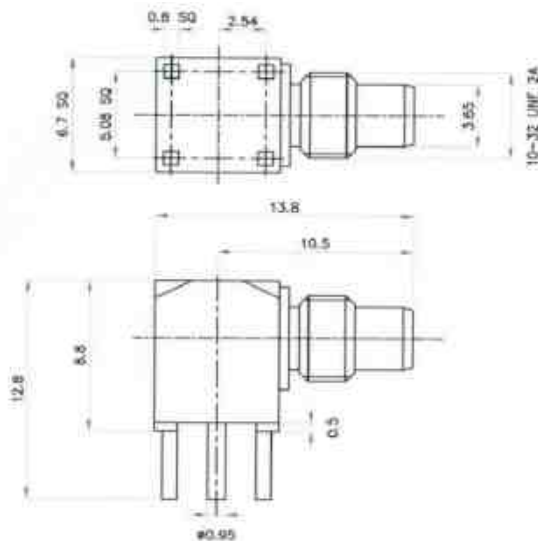
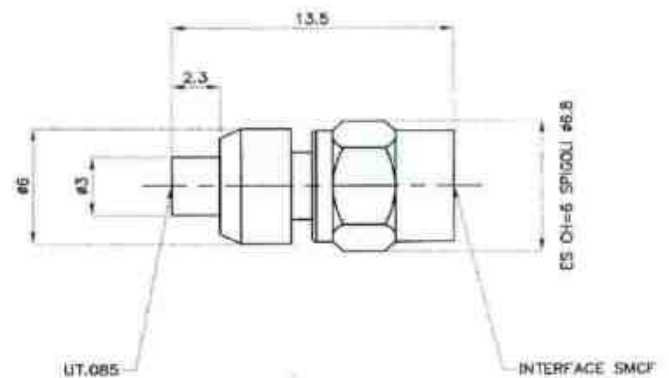


Fig.5

P/N 352400CS

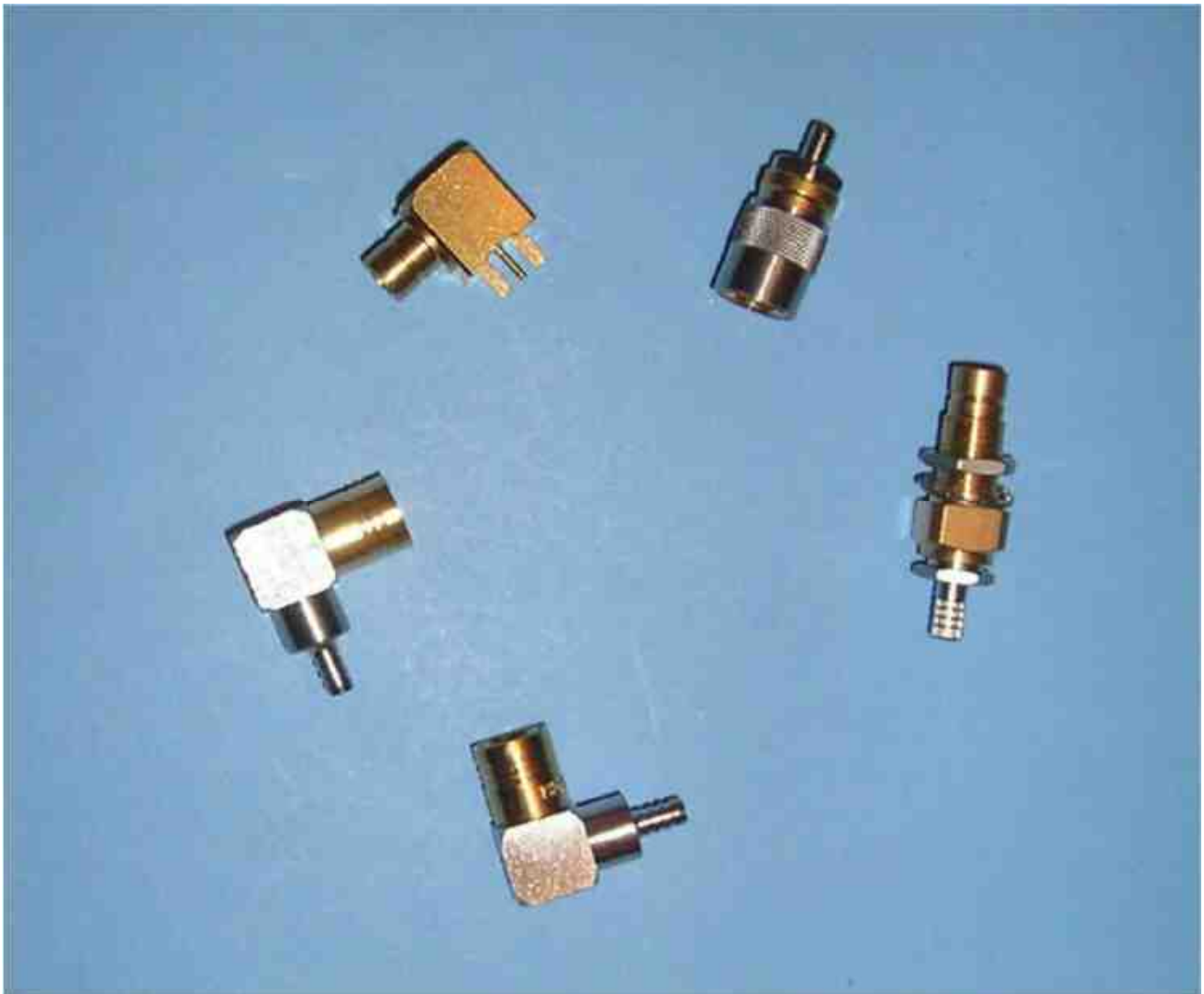


P/N 351023

Fig.6

# SMZ

## COAXIAL CONNECTORS 75 $\Omega$



GENEX RF, a technology specialized company in the development and manufacture of high frequency connections. In Avionic field, is able to design and make RF cable assemblies on spec with drawings or sampling of customer.



# TECHNICAL INFORMATIONS SMZ

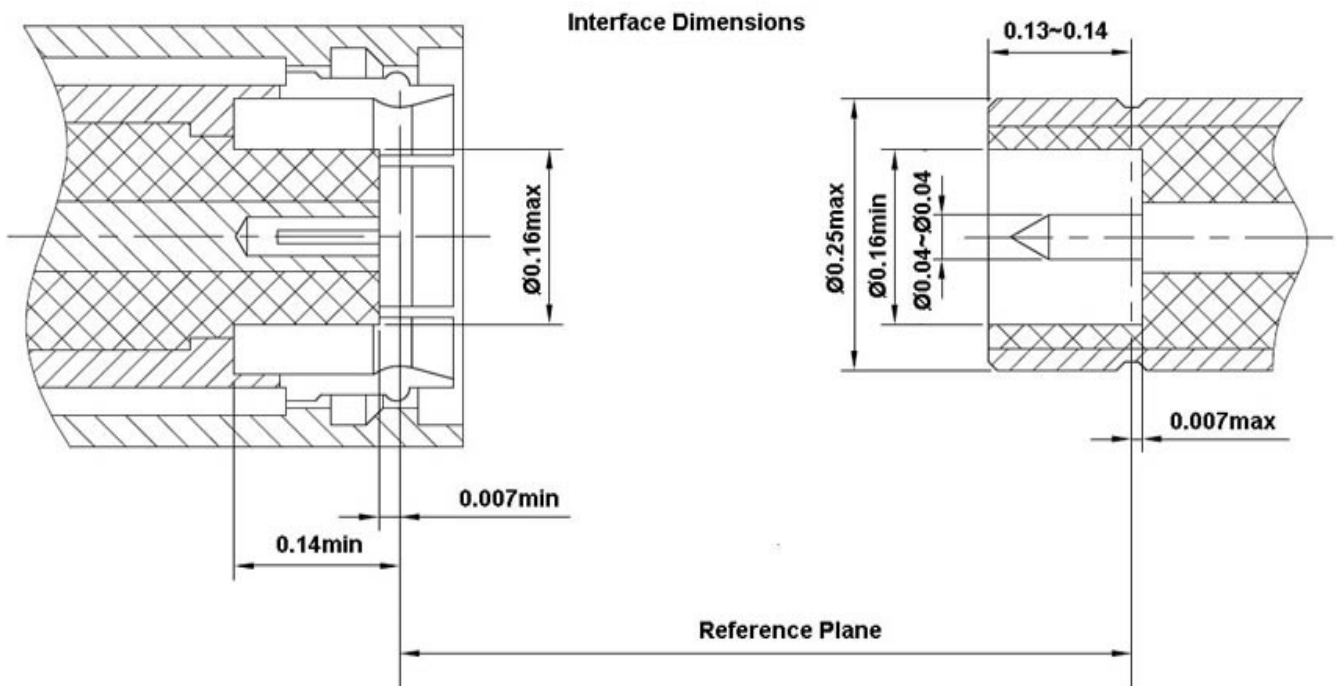
		notes
Frequency range	DC ÷ 2 GHz	
Impedance	75 Ω	
VSWR :		See CECC122300
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤1.0 mΩ	
Dielectric	1,0kV rms 50Hz	
Temperature range	-65°C ÷ +115°C	
Thermal shock	GJB681A MIL-C-39012	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition B	

Above, are typical characteristics of SMZ connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

Male body - Female contact


Female body - Male contact



## FLEXIBLE CABLE CONNECTORS


### STRAIGHT MALE BODY-FEMALE CONTACT CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
971035TP	SMZ female contact for RG 179-187		
971046TP	SMZ female contact for ST 214		
971048TP	SMZ female contact for ST 112		
971049TP 	SMZ female contact for ST 212		3
971050TP	SMZ female contact for ST 121		
971064TP	SMZ female contact for RG 59		


### STRAIGHT FEMALE BODY-MALE CONTACT CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
972035TP 	SMZ male contact for RG 179 -187		
972046TP	SMZ male contact for ST 214		
972048TP	SMZ male contact for ST 112		
972049TP	SMZ male contact for ST 212		
972050TP	SMZ male contact for ST 121		
972064TP	SMZ male contact for RG 59		

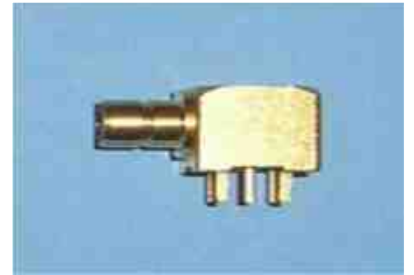
### RIGHT ANGLE 90° MALE BODY-FEMALE CONTACT CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
971449TP 	SMZ female contact for ST 212		1

## PCB CONNECTORS

### RIGHT ANGLE 90° FEMALE BODY-MALE CONTACT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
9724CS	SMZ male contact for pcb		2

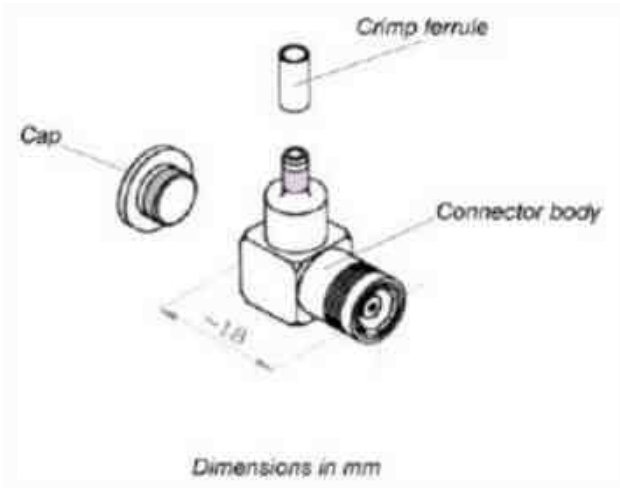
## ADAPTERS SMZ - SMZ

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
9713971	SMZ female contact - SMZ female contact		
9723971	SMZ male contact - SMZ female contact		
9723972	SMZ male contact - SMZ male contact		

For others combinations, see section " COAXIAL ADAPTERS"

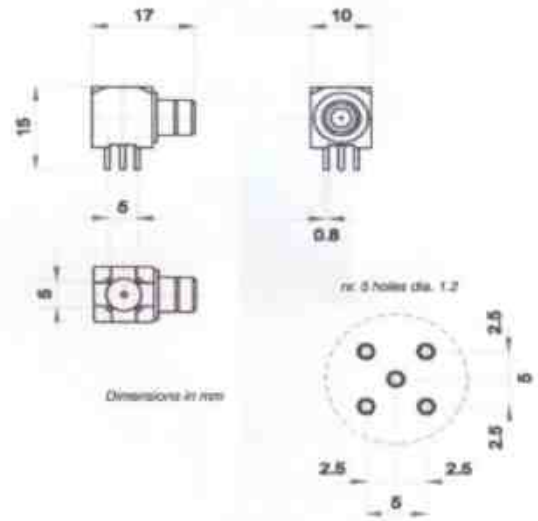


# DRAWINGS SMZ



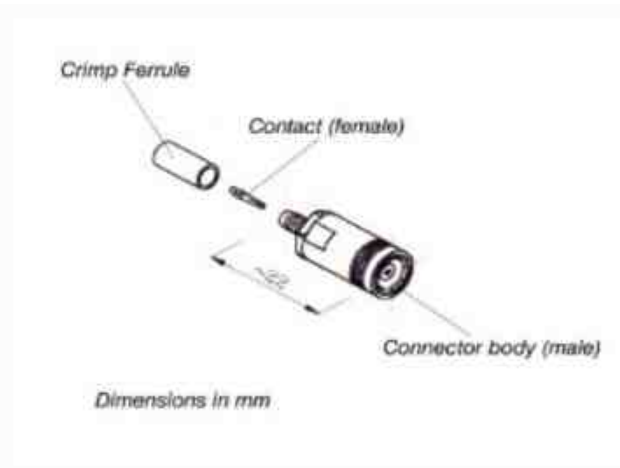
**Fig.1**

**P/N 972449TP**



**P/N 9724CS**

**Fig.2**



**Fig.3**

**P/N 971049TP**

**P/N**

**Fig.4**

**Fig.5**

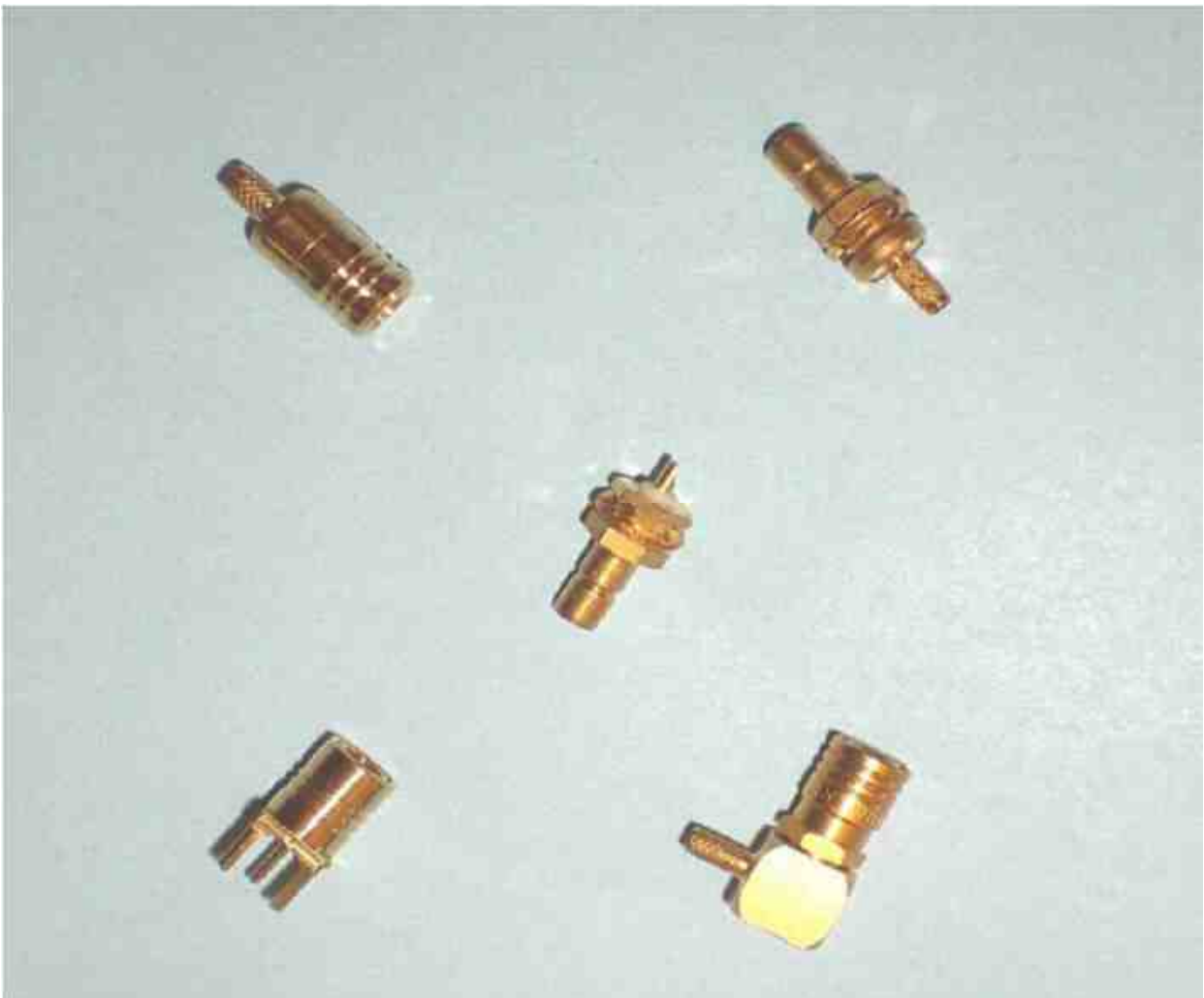
**P/N**

**P/N**

**Fig.6**

# SMB

## COAXIAL CONNECTORS 50Ω



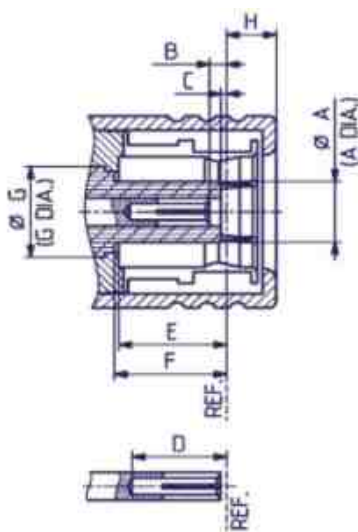
# TECHNICAL INFORMATIONS SMB

		notes
Frequency range	DC ÷ 4 GHz	
Impedance	50 Ω	
VSWR :	1.5 MAX	
Insulation	≥ 1 * 10 <sup>4</sup> MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤2.5 mΩ	
Dielectric	750 V rms 50Hz	depending on cable
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Interface dimensions	Europe: CECC 22130	
	USA: MIL-C-39012- SMB	
	International: IEC 60169-10	
	Interface: MIL-STD-348a/311	

Above, are typical characteristics of SMB connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

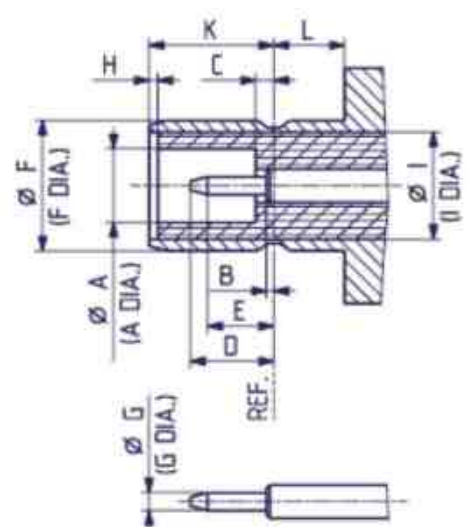
## INTERFACE

Male body - Female contact



	Plug		Jack	
	min.	max.	min.	max.
A	-	2.06/.081	2.08/.082	-
B	0.18/.007	0.94/.037	-	0.18/.007
C	0.18/.007	-	-	0.18/.007
D	2.97/.117	-	-	2.97/.117
E	3.58/.141	-	1.32/.052	-
F	3.58/.141	-	3.66/.144	3.71/.146
G	3.05/.120 nom.		0.48/.019	0.53/.021
H	-	1.63/.064	0.00/0.00	-
I	-	-	3.05/.120 nom.	
K	-	-	3.33/.131	3.58/.141
L	-	-	1.65/.065	-

Female body - Male contact




# FLEXIBLE CABLE CONNECTORS

## STRAIGHT MALE BODY-FEMALE CONTACT SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
361017	SMB female contact for RG 178-196		
361035	SMB female contact for RG 174-188-316		


## STRAIGHT MALE BODY-FEMALE CONTACT CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
361017TP	SMB female contact for RG 178-196		
361035TP	SMB female contact for RG 174-188-316		
361049TP 	SMB female contact for ST 212		1

## RIGHT ANGLE 90° MALE BODY-FEMALE CONTACT CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
361435TP 	SMB female contact for RG 174-188-316		

**STRAIGHT FEMALE BODY - MALE CONTACT  
SOLDERED**

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
362017	SMB male contact for RG 178-196		
362035	SMB male contact for RG 174-188-316		

**STRAIGHT FEMALE BODY - MALE CONTACT  
CRIMP**



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
362017TP	SMB male contact for RG 178-196		
362035TP 	SMB male contact for RG 174-188-316		


**STRAIGHT PANEL FEMALE BODY - MALE  
CONTACT CRIMP**

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
362835TP	SMB male contact for RG 174-188-316		

## RECEPTACLES WITH SOLDER END


### STRAIGHT PCB MALE BODY-FEMALE CONTACT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR3610CSSL/A	SMB female contact for pcb	body L = 25 mm	2
MR3610CSSL/C	SMB female contact for pcb	body L = 20,85 mm	3
MR361000CS 	SMB female contact for pcb		4

### STRAIGHT PANEL FEMALE BODY - MALE CONTACT




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
362700 	SMB male contact panel mount	bulkhead	

### STRAIGHT PCB FEMALE BODY-MALE CONTACT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
3620CS	SMB male contact for pcb		

**RIGHT ANGLE 90° PCB FEMALE BODY-MALE CONTACT**



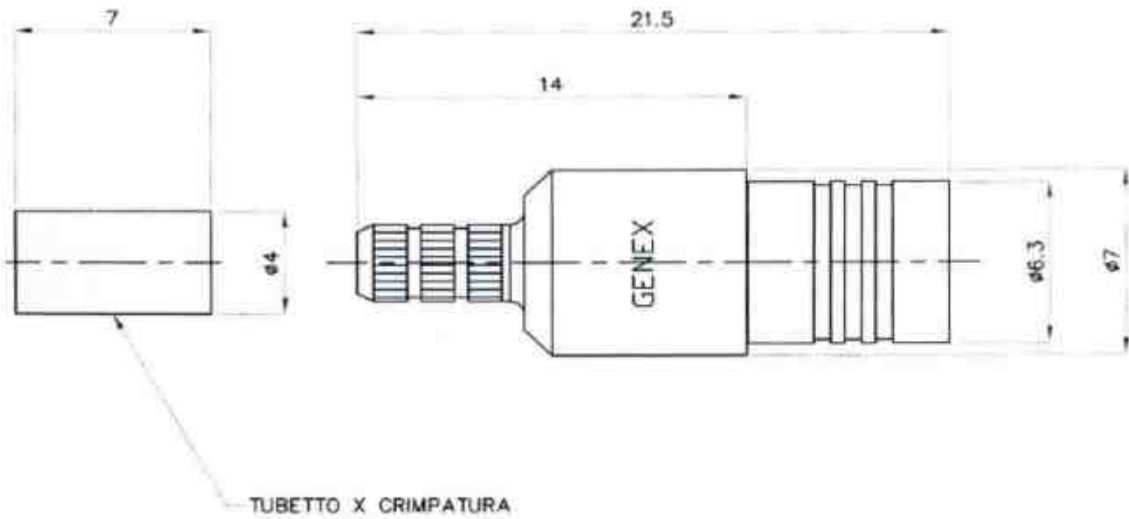
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
362400CS 	SMB male contact for pcb		

**ADAPTERS SMB - SMB**

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
36090121	SMB 2 for female contact - 1 for male contact	T adapter	
36090111	SMB 3 for female contact	T adapter	
3613361	SMB female contact - SMB female contact		
3623362	SMB male contact - SMB male contact		
3627362	SMB male contact - SMB male contact	panel mount / bulkhead	

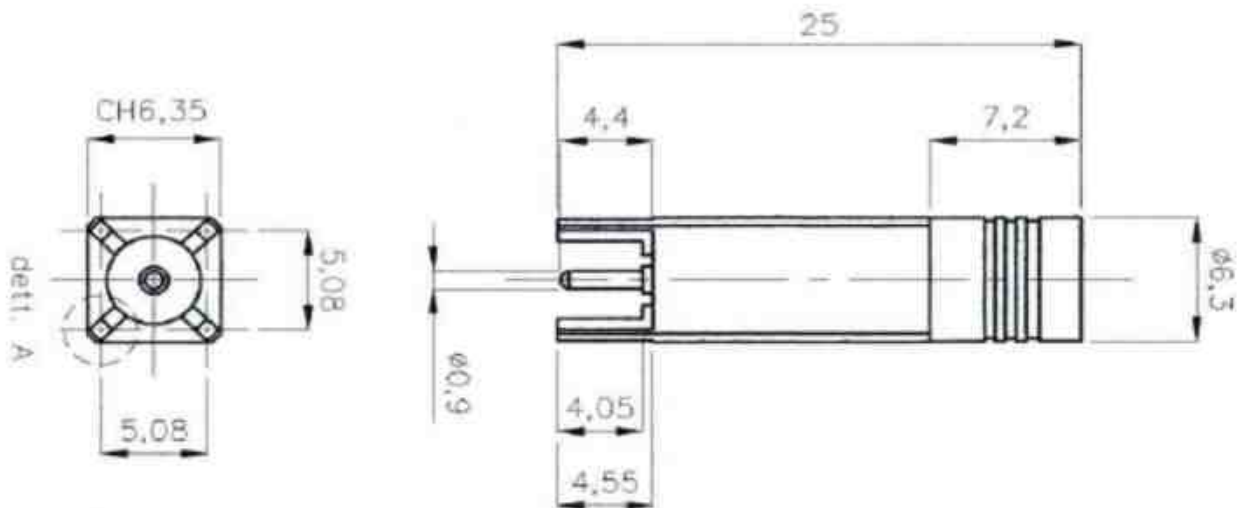
For others combinations, see section " COAXIAL ADAPTERS"

## DRAWINGS SMB



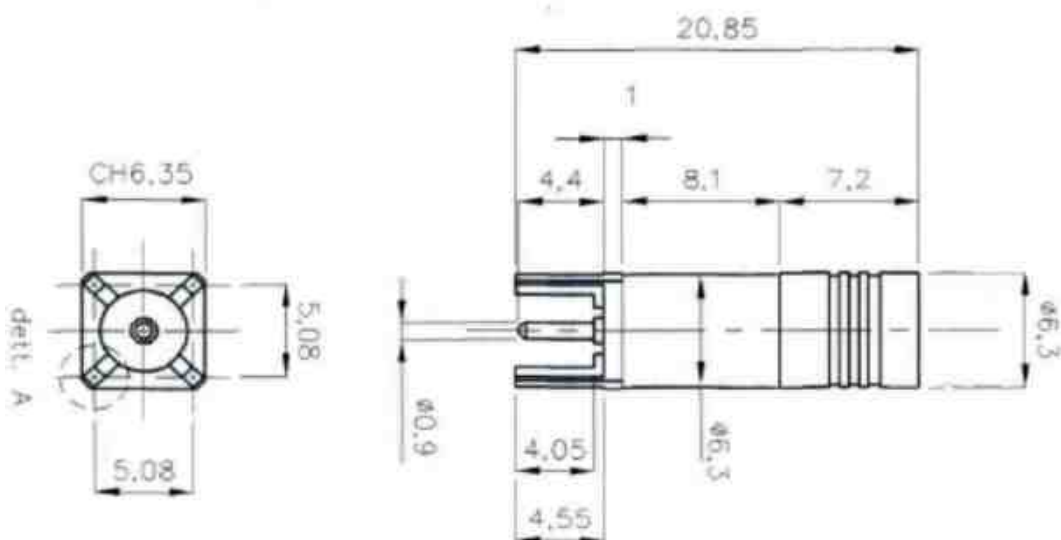
**Fig.1**

**P/N 361049TP**



**Fig.2**

**P/N MR3610CSSL/A**



**Fig.3**

**P/N MR3610CSSL/C**



# DRAWINGS SMB

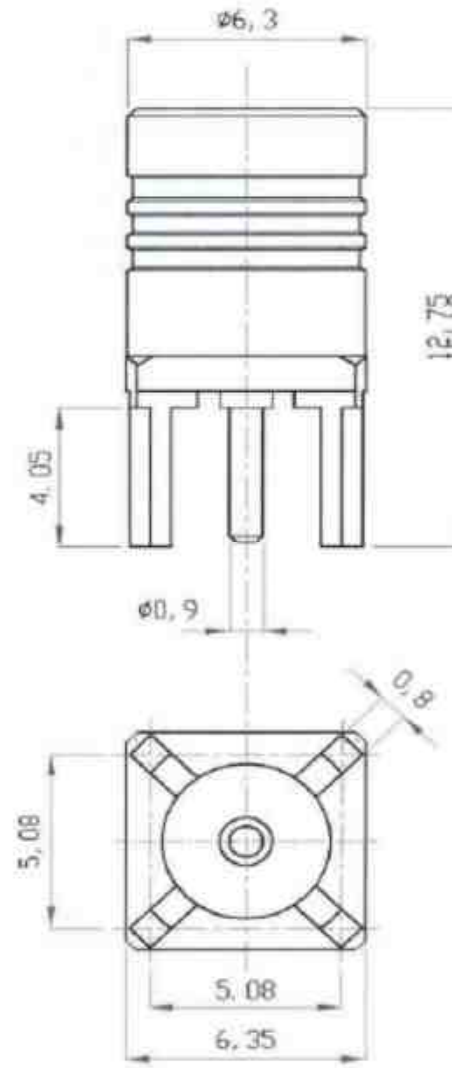
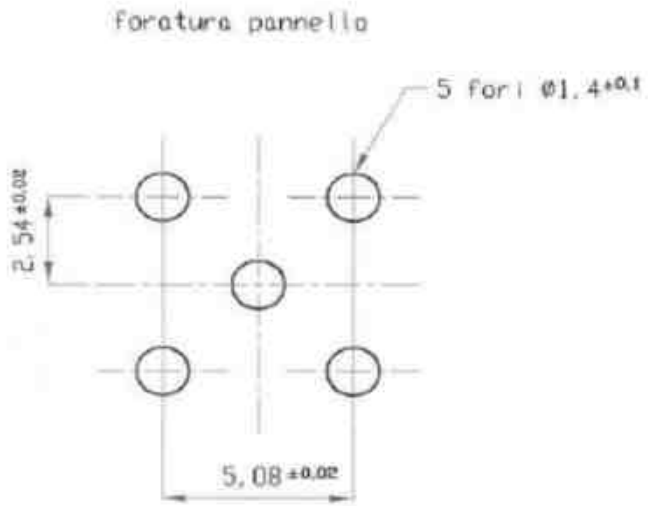


Fig.4

P/N MR361000CS

Fig.5

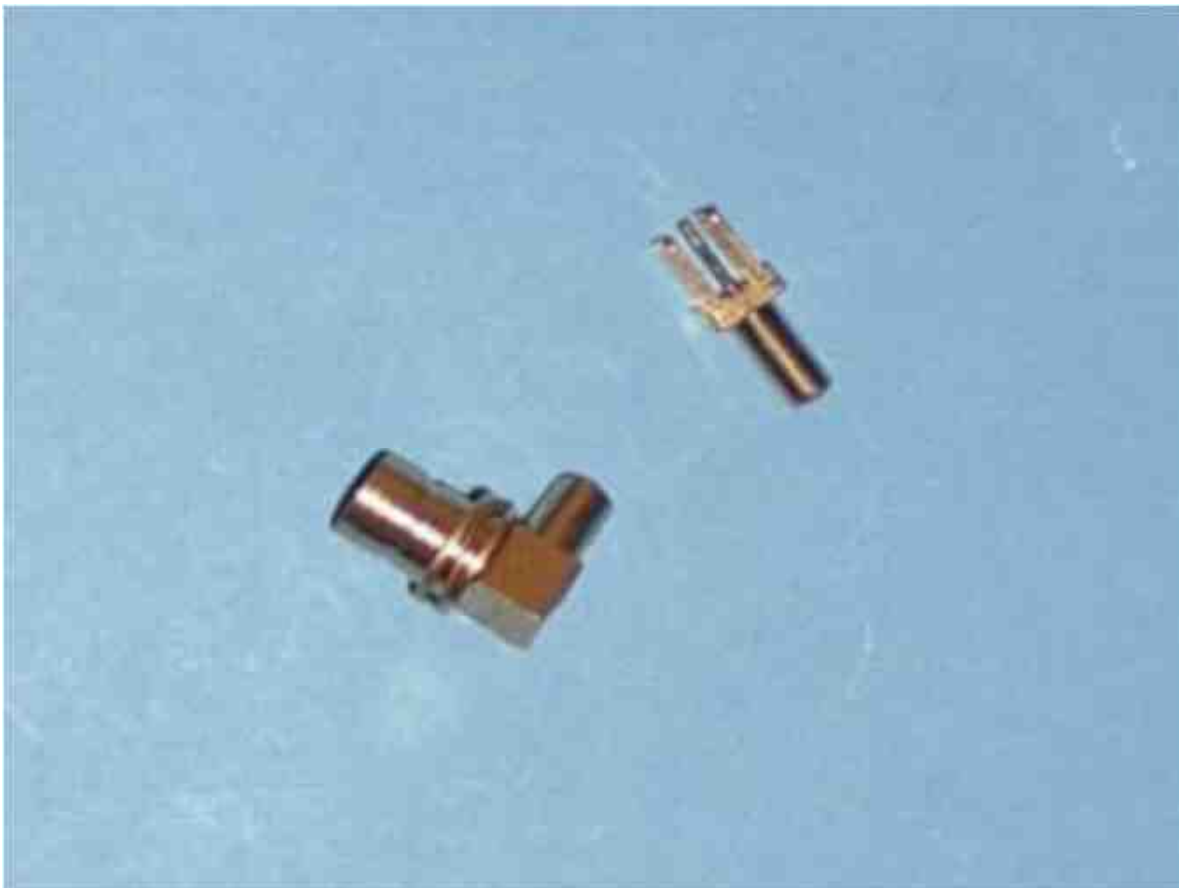
P/N

P/N

Fig.6

# SSLB

## COAXIAL CONNECTORS 50Ω



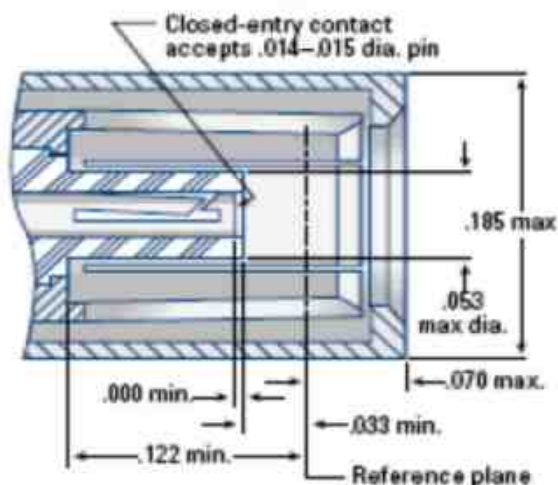
# TECHNICAL INFORMATIONS SSLB

		notes
Frequency range	DC ÷ 12 GHz	
VSWR :	1.25 + 0.025 f (GHz)	
Impedance	50 Ω	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤4.0 mΩ	
	outer ≤1.0 mΩ	
Temperature range	-65°C ÷ +165°C	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition A	
Interface dimensions	Europe: CECC 22120	
	USA: MIL-STD-348A/321	

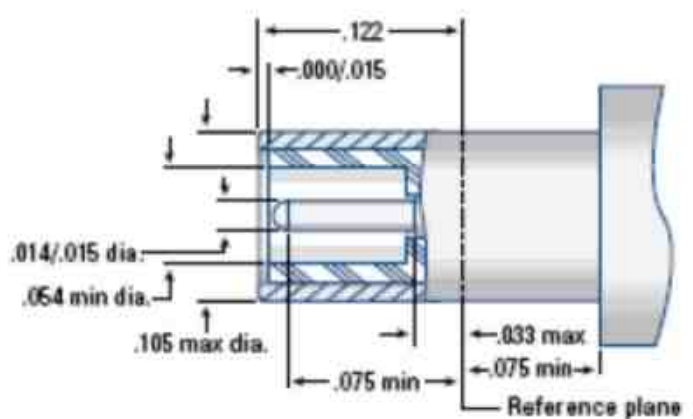
Above, are typical characteristics of SSLB connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

Male body - Female contact




Female body - Male contact



## SEMIRIGID CABLE CONNECTORS

RIGHT ANGLE 90° MALE BODY - FEMALE CONTACT




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
SSLB1423 	SSLB female contact for UT.085		2

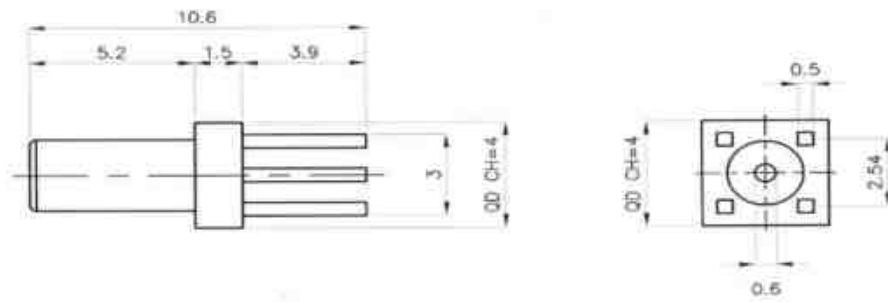
## PCB CONNECTORS

STRAIGHT PCB FEMALE BODY - MALE CONTACT



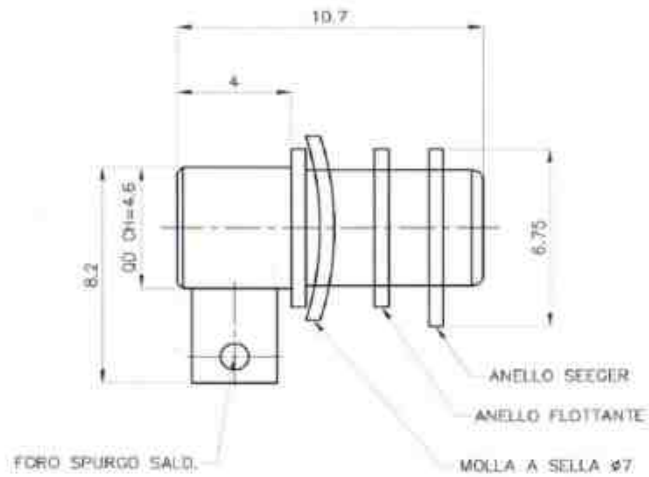
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
SSLB20CS 	SSLB male contact for pcb		1

## DRAWINGS SSLB



**Fig.1**

**P/N SSLB20CS**



**Fig.2**

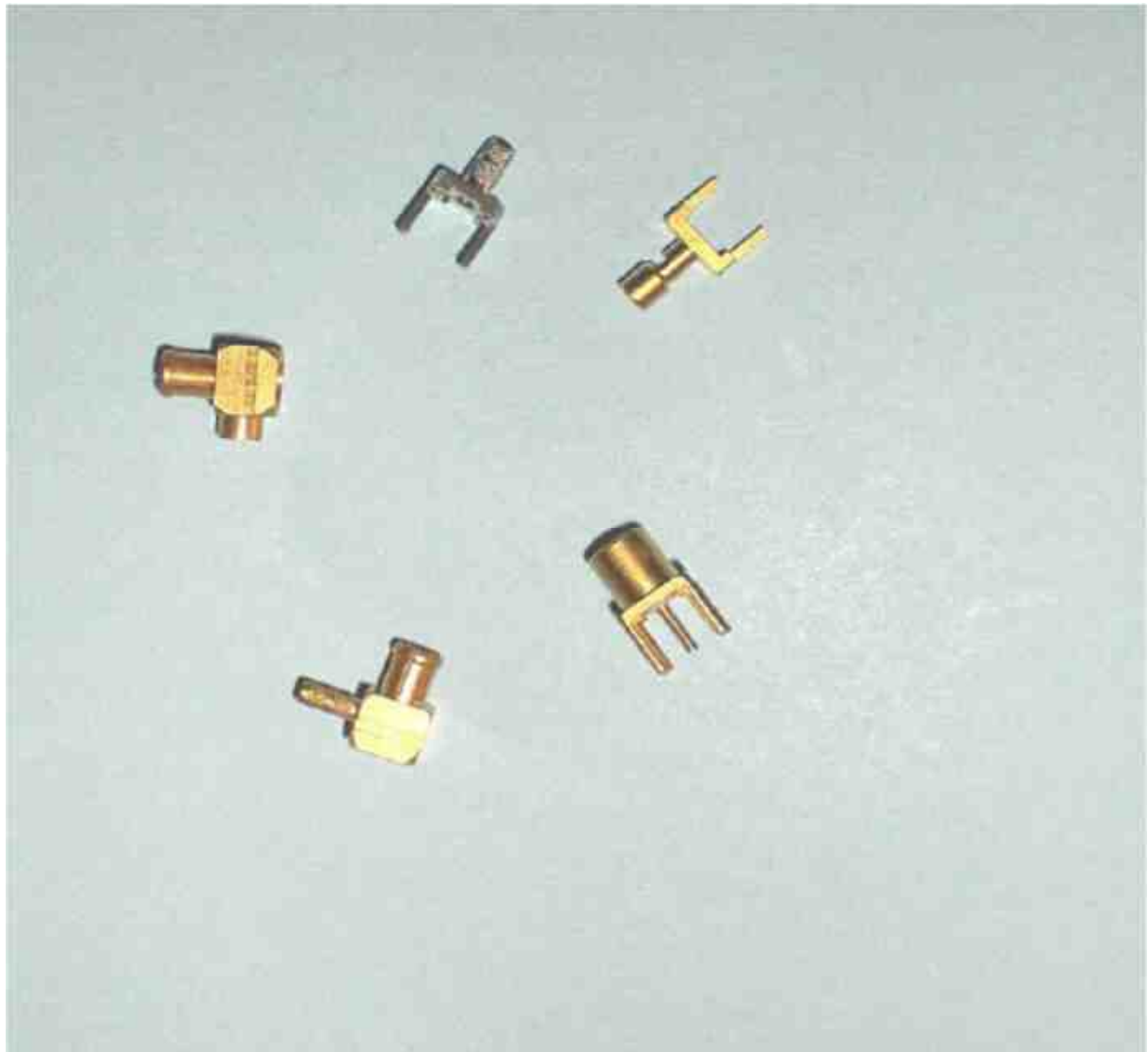
**P/N SSLB1423**

**Fig.3**

**P/N**

# MCX

COAXIAL CONNECTORS 50Ω / 75Ω



GENEX RF production, in quality system ISO 9001, ensures excellent electrical and mechanical performance to all its components.



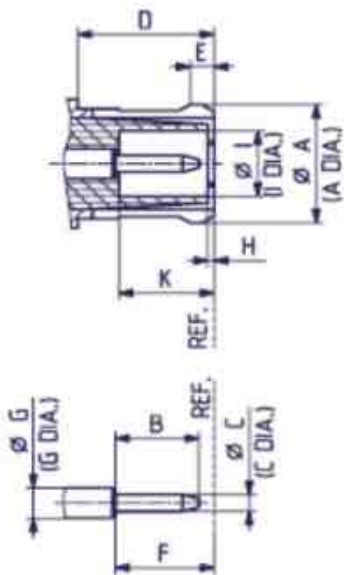
# TECHNICAL INFORMATIONS MCX 50 Ω

		notes
Frequency range	DC ÷ 6 GHz	
Impedance	50 Ω	
Insulation	$\geq 1 * 10^4$ MΩ	
Contact resistance	centre $\leq 5.0$ mΩ	
	outer $\leq 1.0$ mΩ	
Temperature range	-55°C ÷ +155°C	
Thermal shock	MIL-STD-202,method 107,condition F	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Interface dimensions	Europe: CECC 22220	
	International 60169-39	

Above, are typical characteristics of MCX connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

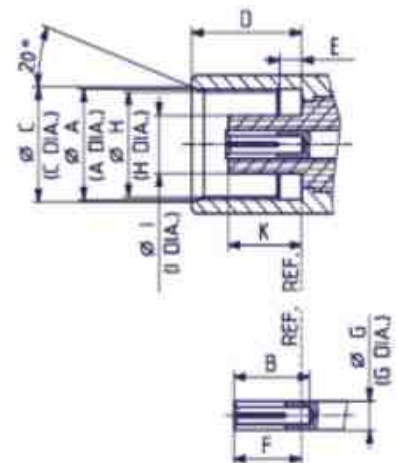
## INTERFACE

**Plug (male)**



	Plug		Jack	
	min.	max.	min.	max.
A	3.72/.146*	3.80/.150*	3.60/.142	3.70/.146
B	2.49/.098	2.59/.102	2.80/.110	--
C	0.48/.019	0.53/.021	3.75/.148	3.85/.152
D	4.15/.163	--	4.00/.157	4.12/.162
E	0.70/.028	0.75/.030	0.75/.030	0.85/.033
F	2.80/.110	3.20/.126	2.30/.091	2.80/.110
G	0.95/.037 nom.		0.95/.037 nom.	
H	--	0.30/.012	3.42/.135	3.48/.137
I	2.00/.079	2.07/.081	1.80/.071	1.98/.078
K	2.80/.110	3.20/.126	2.60/.102	2.80/.110

**Jack (female)**





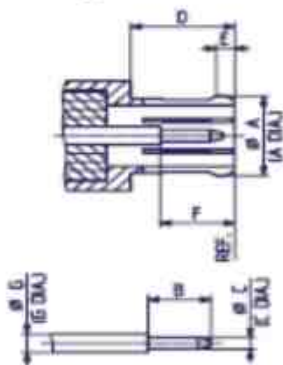
# TECHNICAL INFORMATIONS MCX 75 Ω

		notes
Frequency range	DC ÷ 6 GHz	
Impedance	75 Ω	
Insulation	$\geq 1 * 10^3$ MΩ	
Contact resistance	centre $\leq 5.0$ mΩ	
	outer $\leq 2.5$ mΩ	
Temperature range	-65°C ÷ +165°C	
Thermal shock	MIL-STD-202,method 107,condition F	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	

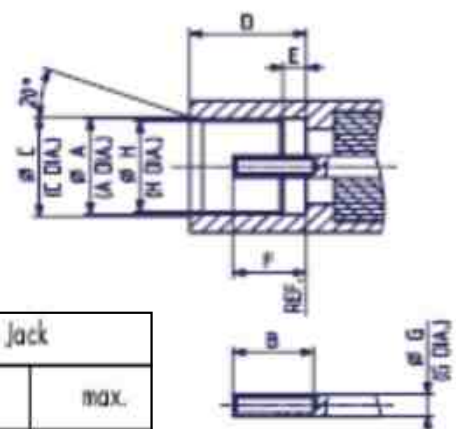
Above, are typical characteristics of MCX connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**



**Jack (female)**



	Plug		Jack	
	min.	max.	min.	max.
A	3.72/.146*	3.80/.150*	3.60/.142	3.70/.146
B	2.49/.098	2.59/.102	2.80/.110	—
C	0.48/.019	0.53/.021	3.75/.148	3.85/.152
D	4.15/.163	—	4.00/.157	4.12/.162
E	0.70/.028	0.75/.030	0.75/.030	0.85/.033
F	2.80/.110	3.20/.126	2.30/.091	2.80/.110
G	0.83/.033 nom.		0.83/.033 nom.	
H			3.42/.135	3.48/.137

## FLEXIBLE CABLE CONNECTORS

### RIGHT ANGLE 90° PLUGS (M) CRIMP



P.N. GENEX RF	Description	OHM	Notes	Fig.
922417TP	MCX m for RG 178-196	50 Ω		

## SEMIRIGID CABLE CONNECTORS

### RIGHT ANGLE 90° PLUGS (M)



P.N. GENEX RF	Description	OHM	Notes	Fig.
922423	MCX m for UT.085	50 Ω		

## PCB CONNECTORS

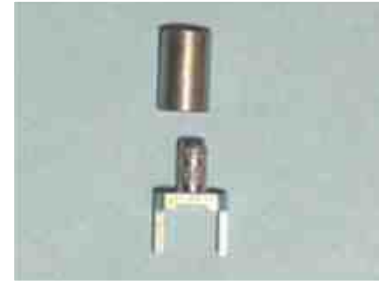
### STRAIGHT JACKS (F) PCB



P.N. GENEX RF	Description	OHM	Notes	Fig.
921000CS	MCX f for pcb	50 Ω		

## PCB CABLE TERMINATORS

### FLEXIBLE CABLE TERMINATORS CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
920017TPCS	MCX pcb for RG 178-196	50 Ω		
920035TPCS	MCX pcb for RG 316	50 Ω		

### FLEXIBLE CABLE TERMINATORS SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
920035CS	MCX pcb for RG 316	50 Ω		

### SEMIRIGID CABLE TERMINATORS SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
920023CS	MCX pcb for UT.085	50 Ω		

# MMCX

COAXIAL CONNECTORS 50Ω



## ITALIAN excellence



# TECHNICAL INFORMATIONS MMCX

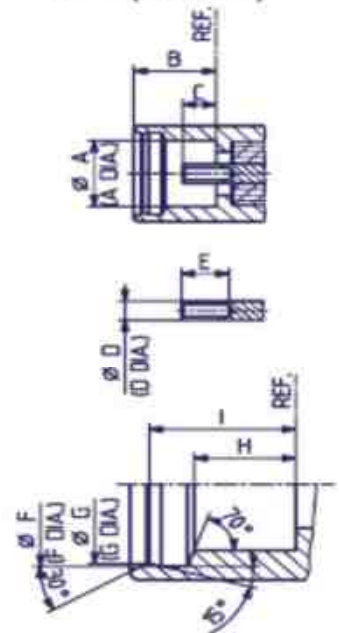
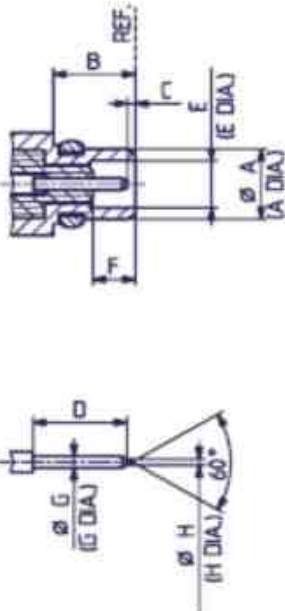
		notes
Frequency range	DC ÷ 6 GHz	
VSWR :	1.15 MAX	DC ÷ 4.0 GHz
	1.40 MAX	4.0 ÷ 6.0 GHz
Impedance	50 Ω	
Insulation	≥ 1 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤2.5 mΩ	
Temperature range	-55°C ÷ +155°C	
Thermal shock	MIL-STD-202 method 107 condition F	
Vibration	MIL-STD-202,method 204,condition C	
Interface dimensions	Europe: CECC 22000	

Above, are typical characteristics of MMCX connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**

**Jack (female)**



	Plug		Jack	
	min.	max.	min.	max.
A	-	2.40/.094	2.41/.095	-
B	2.70/.106	-	-	2.65/.104
C	0.00/.000	0.25/.010	0.90/.035	1.20/.047
D	1.23/.048	-	0.70/.028 nom.	
E	1.58/.062	1.62/.064	1.40/.055	-
F	1.23/.048	-	3.00/.118	3.04/.120
G*	0.38/.015	0.42/.017	2.88/.113	2.92/.115
H	-	0.20/.008	1.57/.062	1.63/.064
*	Jack			
G	2.88/.113	2.90/.114	2.92/.115	
I	2.34/.092	2.30/.091	2.26/.089	


## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PANEL PLUGS (M) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR932817TP	MMCX m for RG 178 rear threaded	bulkhead	2
MR932835TP	MMCX m for RG 316 rear threaded	bulkhead	4

### RIGHT ANGLE 90° PLUGS (M) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
932417TP 	MMCX m for RG 178		

## SEMIRIGID CABLE CONNECTORS

### STRAIGHT PANEL PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR932823-B 	MMCX m for UT.085 rear threaded	bulkhead	3
MR932823-C	MMCX m for UT.085	bulkhead	6
MR932889	MMCX m for UT.047	bulkhead	

## STRAIGHT PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
932023	MMCX m for UT.085		

## RIGHT ANGLE 90° PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
932423 	MMCX m for UT.085		5

## RECEPTACLES WITH SOLDER END

## STRAIGHT PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR931300	MMCX f panel mount		1





# OSP/BMA

COAXIAL CONNECTORS 50Ω



# TECHNICAL INFORMATIONS    OSP/BMA

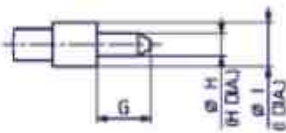
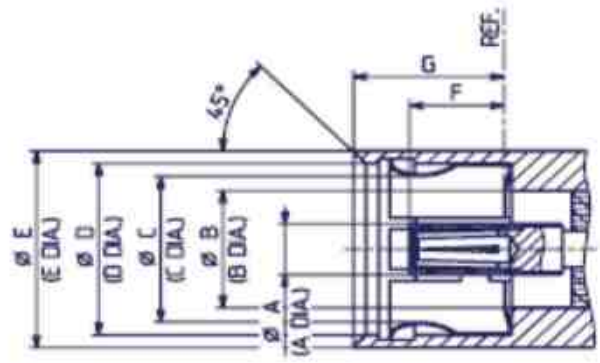
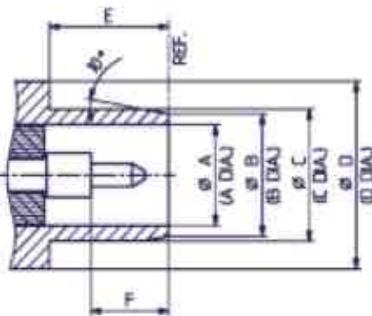
		notes
Frequency range	DC ÷ 18 GHz	
VSWR :	1.02+0.005 f (GHz)	typical
Impedance	50 Ω	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤2.0 mΩ	
	outer ≤2.0 mΩ	
Temperature range	-65°C ÷ +125°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL STD 202 method 213 condition I	
Interface dimensions	USA: MIL-STD-348A/321	

Above, are typical characteristics of OSP/BMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**

**Jack (female)**



	Plug		Jack	
	min.	max.	min.	max.
A	4.09 / .161 nom		1.78 / .070 nom.	
B	4.88 / .192 nom.		4.09 / .161 nom.	
C	5.31/.209	5.35/.211	—	5.08/.200
D	7.62 / .300 nom.		5.71/.225	—
E	5.03/.198	—	7.37/.290	—
F	3.25/.128	—	3.05/.120	3.23/.127
G	2.29 / .090 nom.		—	5.03/.198
H	0.90/.035	0.94/.037		
I	1.78 / .070 nom.			

## FLEXIBLE CABLE CONNECTORS


### STRAIGHT PANEL JACKS (F) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS331635TPLS	OSP/BMA f for RG 316	lozenge	16

## SEMIRIGID CABLE CONNECTORS


### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS331623	OSP/BMA f for UT.085		17
KS331623LS 	OSP/BMA f for UT.085	lozenge	11
KS331636LS	OSP/BMA f for UT.141	lozenge	3
KS331823	OSP/BMA f for UT.085	floating panel	2

### STRAIGHT PANEL PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS332823	OSP/BMA m for UT.085 exagon body 11 mm	bulkhead	12
KS332823A 	OSP/BMA m for UT.085 exagon body 8 mm	bulkhead	13
KS332836	OSP/BMA m for UT.141	bulkhead	14

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL PLUGS (M)



P.N. GENEX RF	Description	Notes	Fig.
KS332500LS	OSP/BMA m panel mount	lozenge	4
KS332700	OSP/BMA m panel mount	bulkhead	5
KS332700ST	OSP/BMA m panel mount	hermetic	7
KS332900PC	OSP/BMA m for strip line	circular flange	6

### STRAIGHT PANEL JACKS (F)



P.N. GENEX RF	Description	Notes	Fig.
KS331500LS	OSP/BMA f panel mount	lozenge	1

## ADAPTERS OSP/BMA - SMA



P.N. GENEX RF	Description	Notes	Fig.
KS3216331	BM* f - SMA f	lozenge	15
KS3313331	OSP/BMA f - SMA f		8
KS3317331	OSP/BMA f - SMA f.	panel mount	9
KS3323331	OSP/BMA m - SMA f		10

\* BMA without finger mass

# DRAWINGS OSP/BMA

Dimensions in mm

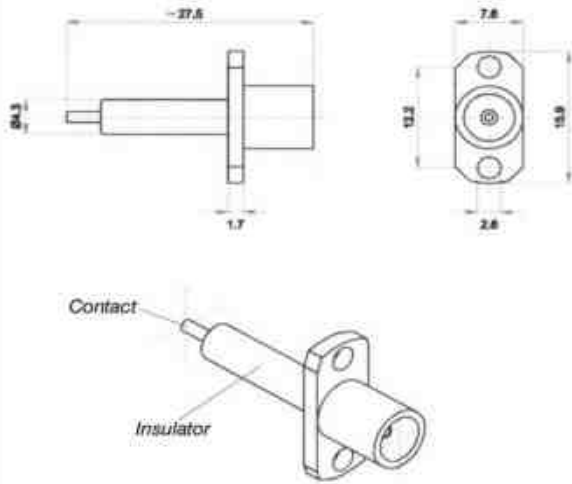
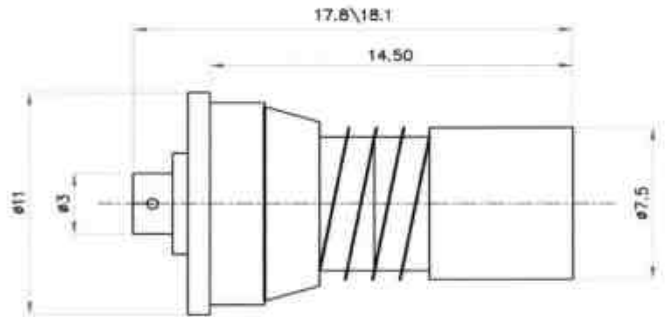


Fig.1

P/N KS331500LS



P/N KS331823

Fig.2

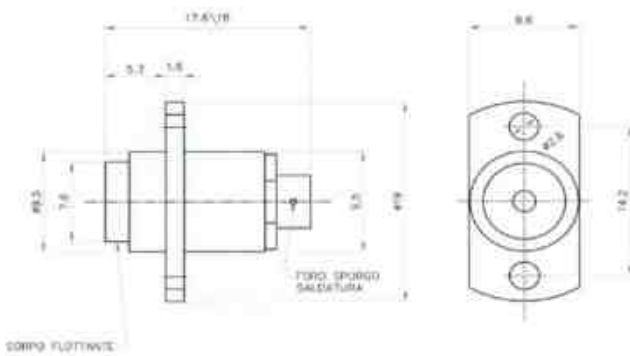
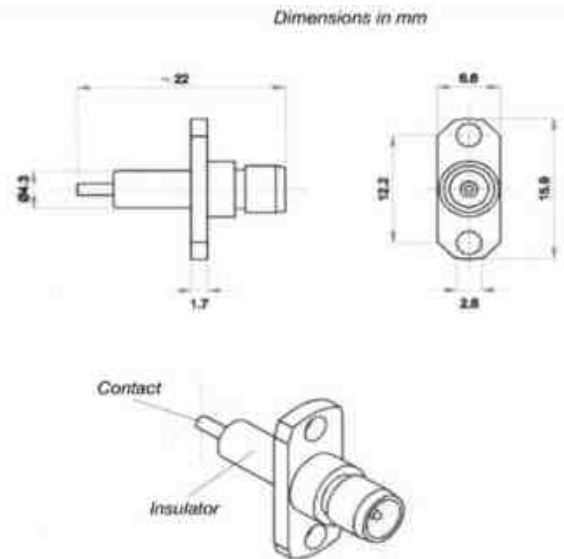


Fig.3

P/N KS331636LS



P/N KS332500LS

Fig.4

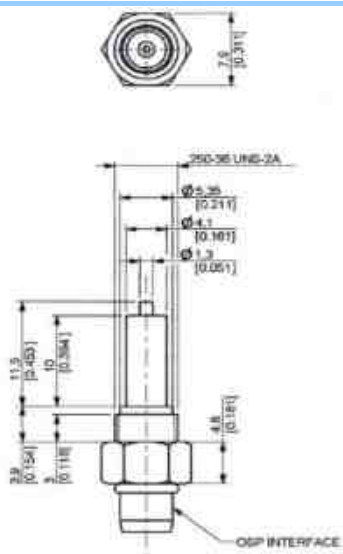
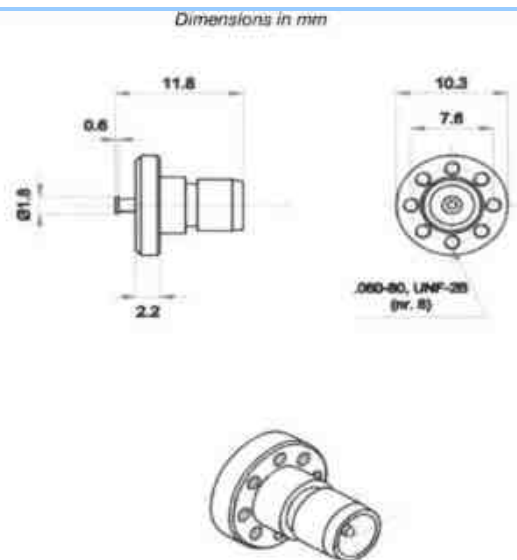


Fig.5

P/N KS332700



P/N KS332900PC

Fig.6

# DRAWINGS OSP/BMA

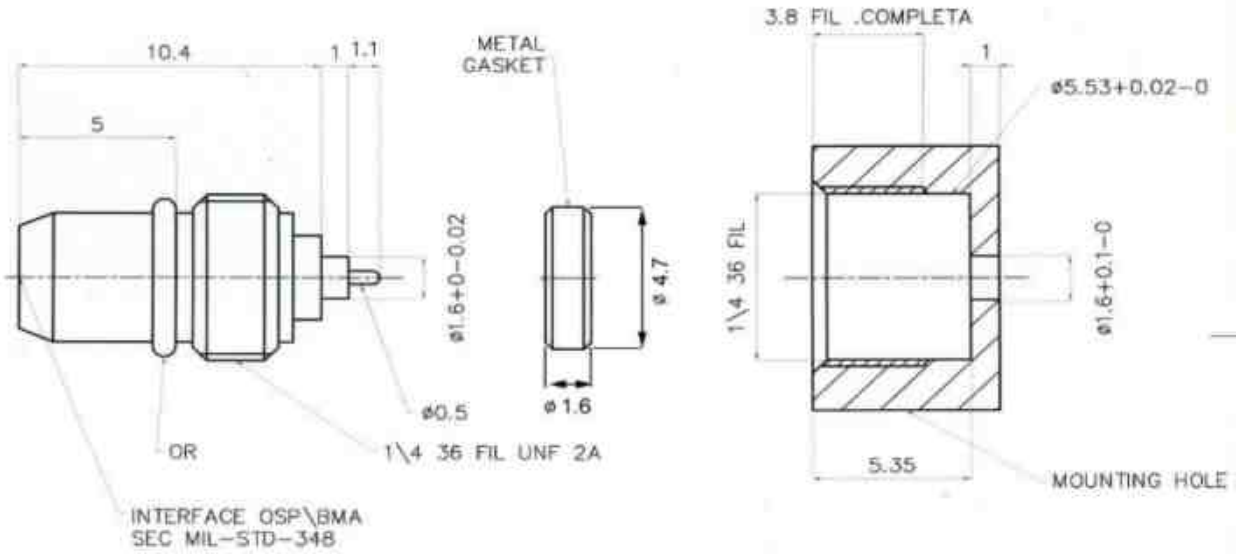


Fig.7

P/N KS332700ST

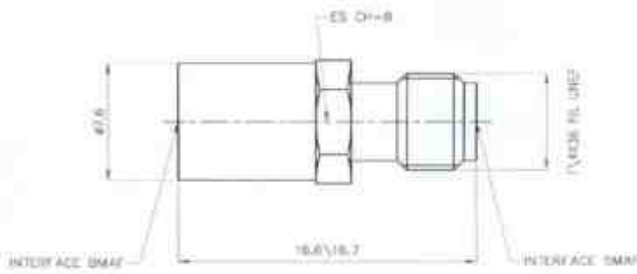
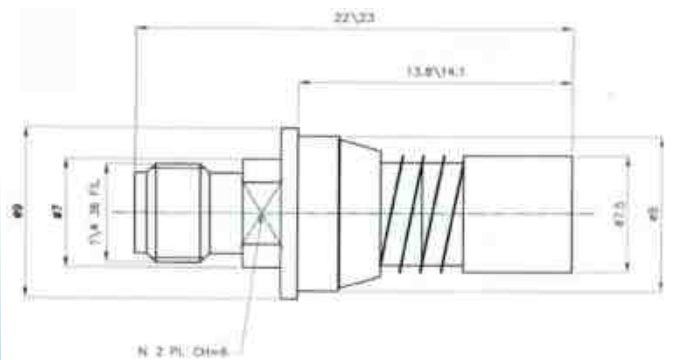


Fig.8

P/N KS3313331



P/N KS3317331

Fig.9

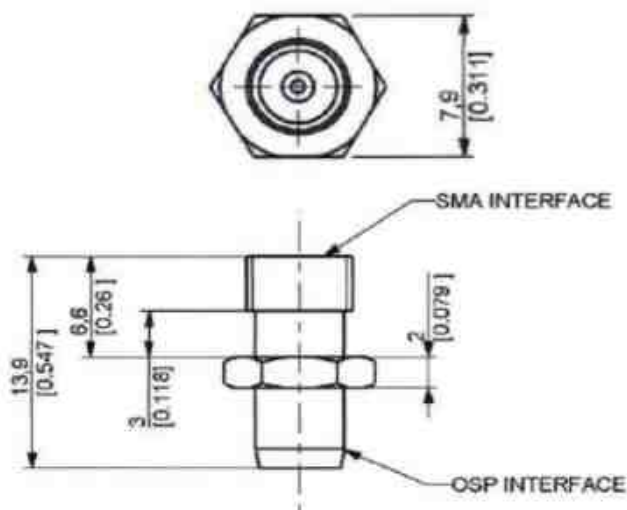
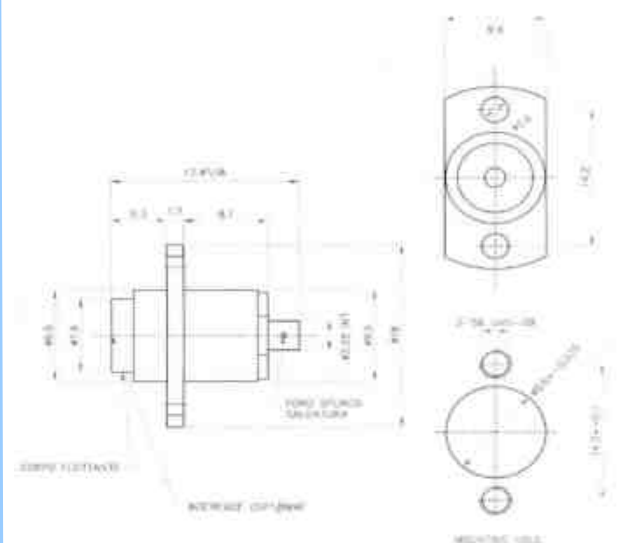


Fig.10

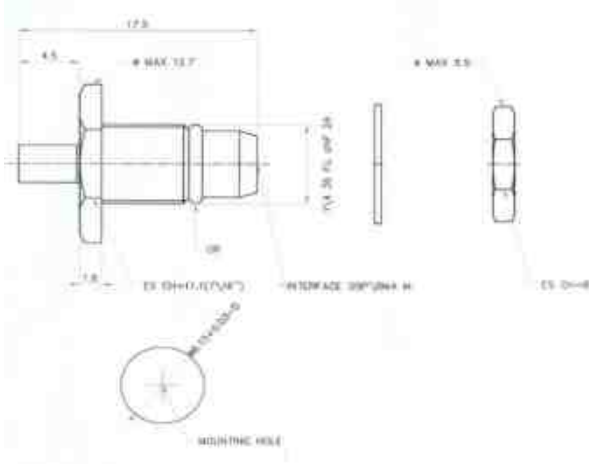
P/N KS3323331



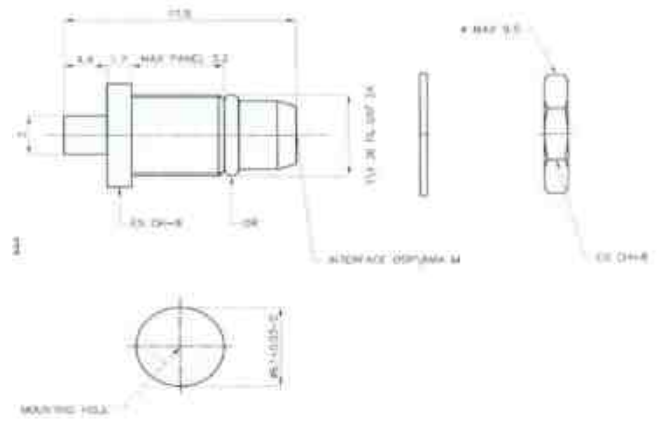
P/N KS331623LS

Fig.11

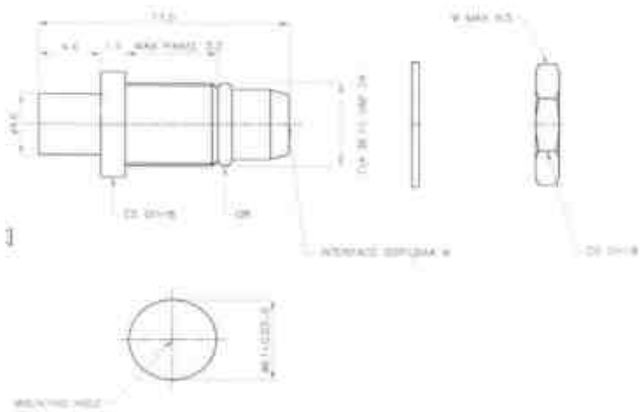
# DRAWINGS OSP/BMA



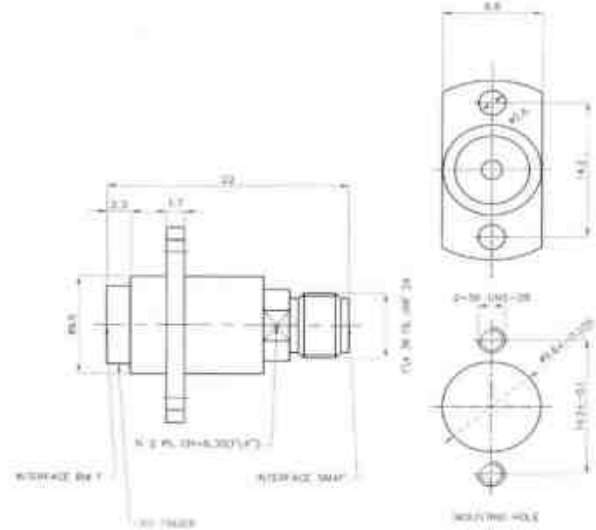
**Fig.12** **P/N KS332823**



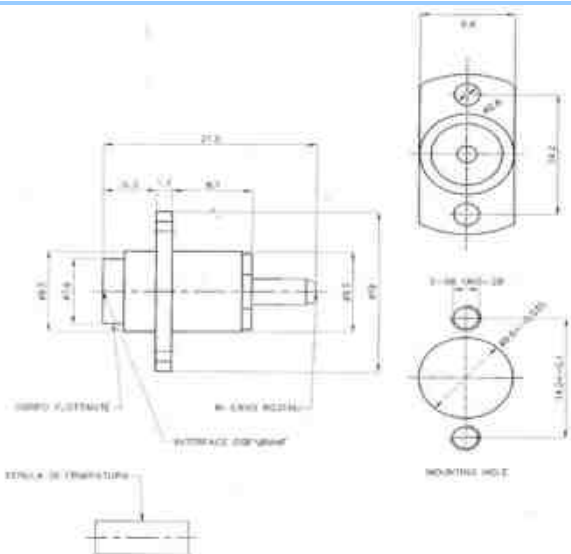
**P/N KS332823A** **Fig.13**



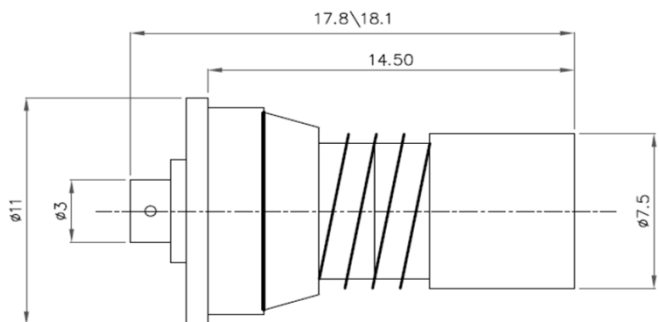
**Fig.14** **P/N KS332836**



**P/N KS3216331** **Fig.15**



**Fig.16** **P/N KS331635TPLS**

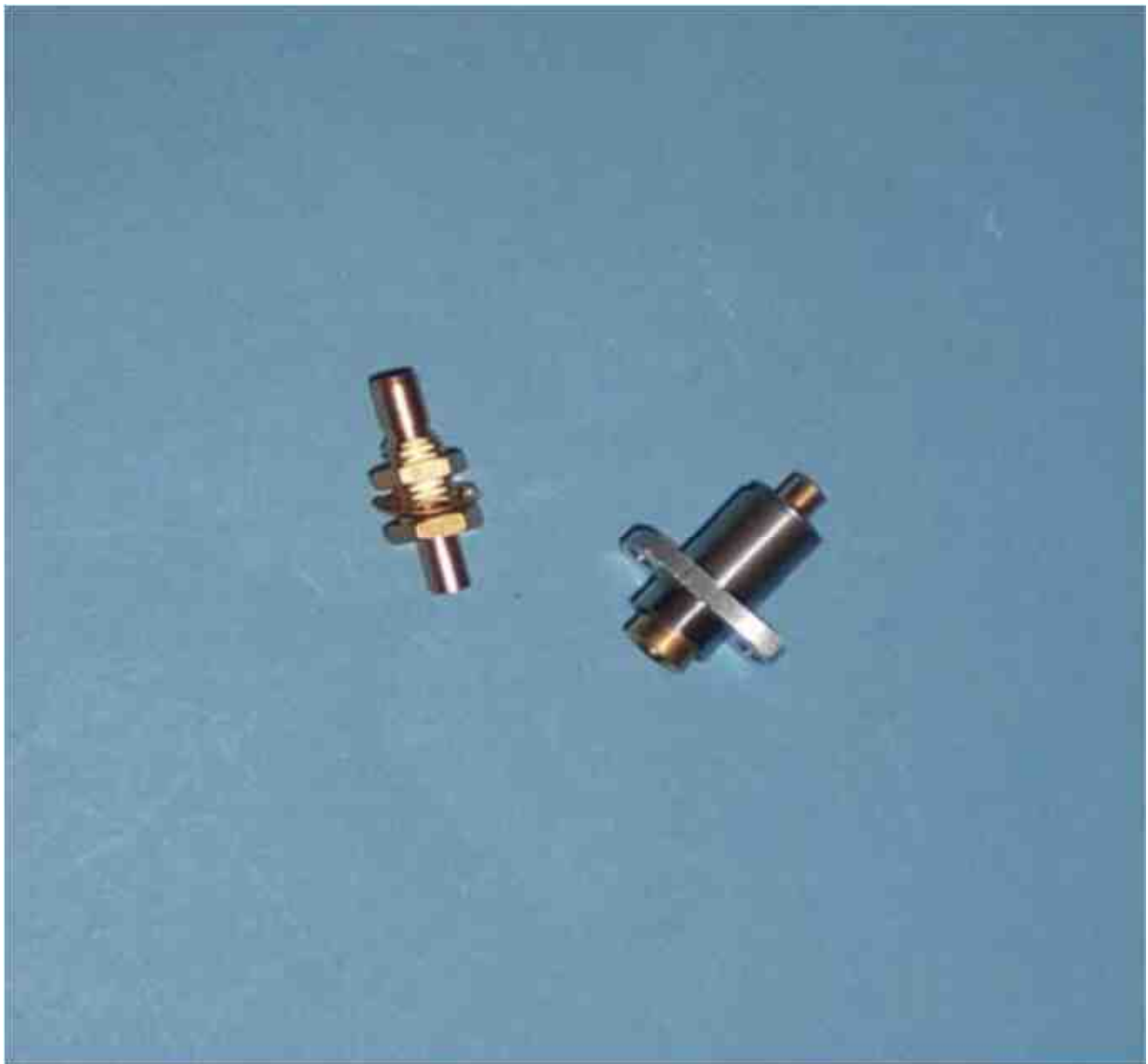


**P/N KS331623** **Fig.17**



# OSSP/SBMA

COAXIAL CONNECTORS 50Ω



# TECHNICAL INFORMATIONS    OSSP/SBMA

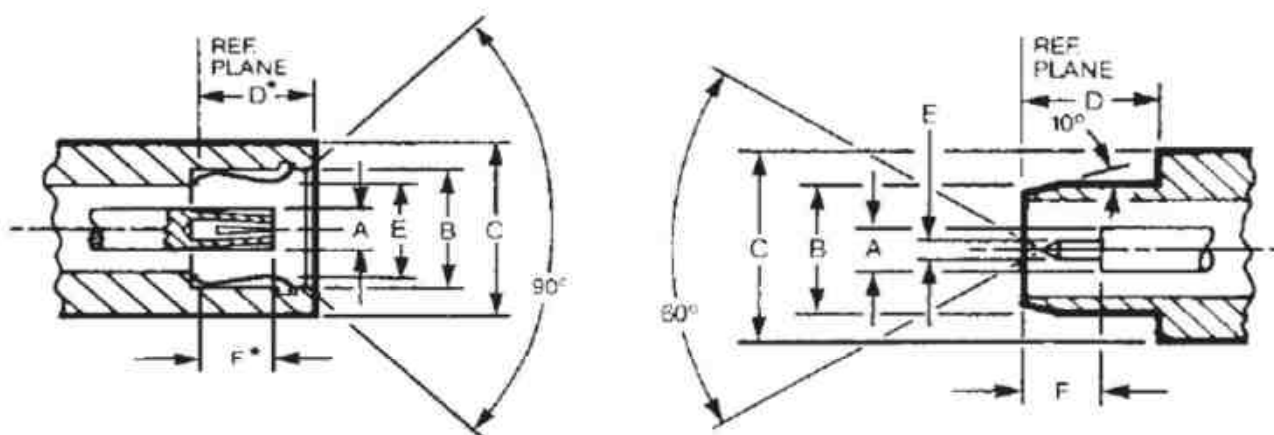
		notes
Frequency range	DC ÷ 28 GHz	
VSWR :	1.05+0.01 f (GHz)	typical
Impedance	50 Ω	
Insulation	$\geq 5 * 10^3 \text{ M}\Omega$	
Contact resistance	centre $\leq 6.0 \text{ m}\Omega$	
	outer $\leq 3.0 \text{ m}\Omega$	
Temperature range	-65°C ÷ +125°C	
Thermal shock	MIL-STD-202,method 107,condition B	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition D	
Shock	MIL STD 202 method 213 condition I	
Interface dimensions	USA: MIL-STD-348A/321	

Above, are typical characteristics of OSSP/SBMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Jack (female)**

**Plug (male)**



Lettera	Jack		Plug	
	mm		mm	
A	1.22	Nom.	1.22	Nom.
B	3.91	Min.	3.56	Min.
C	5.33	Ref.	5.33	Ref.
D	5.00	Nom.*	5.00	Min.
E	3.25	Max	0.51	Max
F	3.23	Max*	3.25	Min

\*=Con molla premuta

## FLEXIBLE CABLE CONNECTORS


### STRAIGHT PANEL JACKS (F) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS311635TPLS	OSSP/SBMA f for RG 316	lozenge	2

## SEMIRIGID CABLE CONNECTORS


### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS311623LS 	OSSP/SBMA f for UT.086	lozenge	3
KS311689LS	OSSP/SBMA f for UT.047	lozenge	

### STRAIGHT PANEL PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KS312823 	OSSP/SBMA m for UT.086	bulkhead	1
KS312889	OSSP/SBMA m for UT.047	bulkhead	

# DRAWINGS OSSP/SBMA

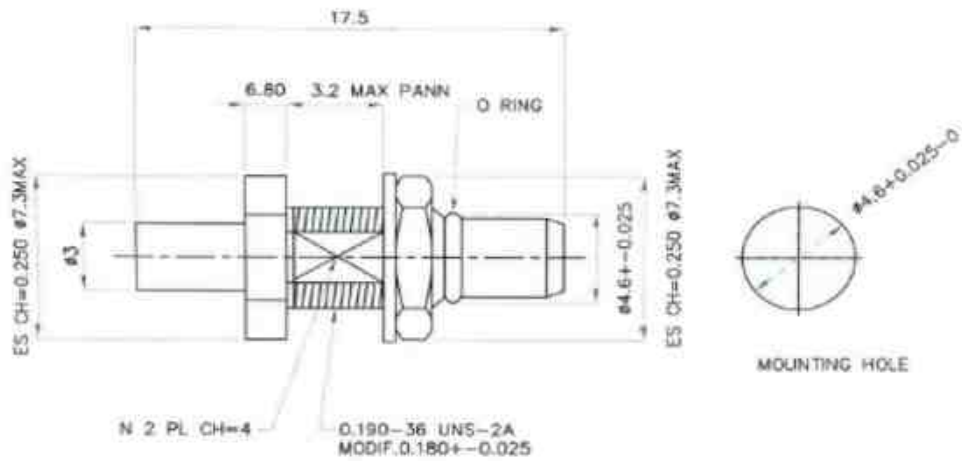


Fig.1

P/N KS312823

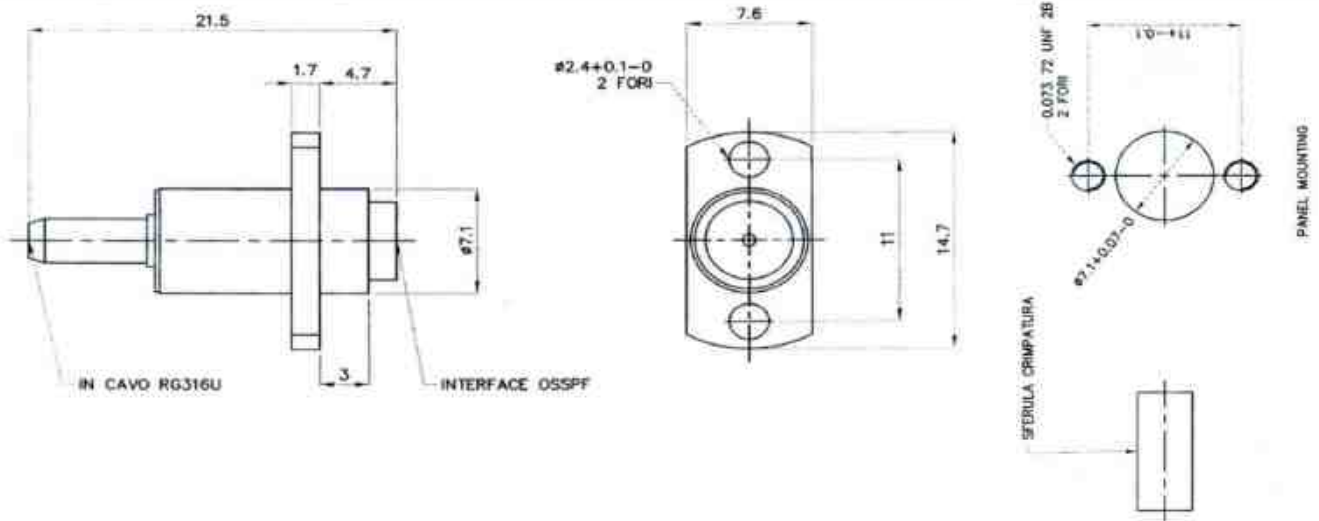


Fig.2

P/N KS311635TPLS

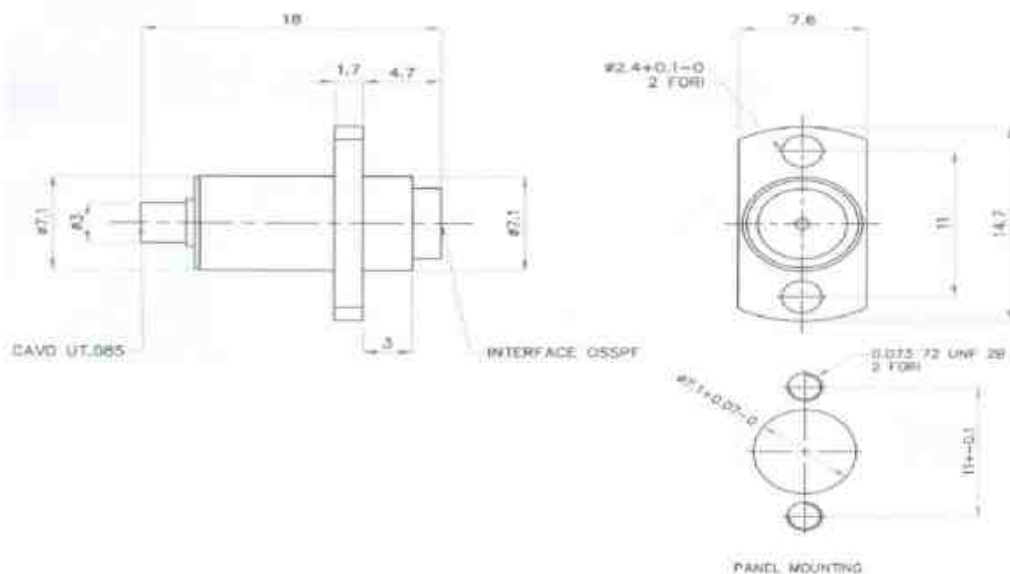


Fig.3

P/N KS311623LS

# PMMA/BMZ

COAXIAL CONNECTORS 50Ω



# TECHNICAL INFORMATIONS PMMA/BMZ

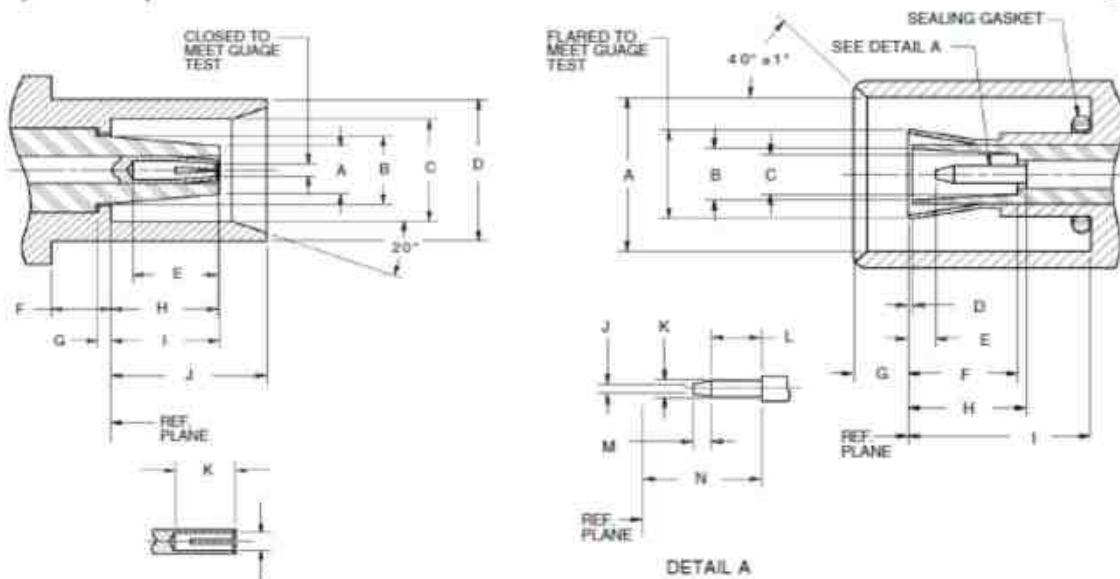
		notes
Frequency range	DC ÷ 18 GHz	
VSWR :	1.05 + 0.01f (GHz)	
Impedance	50 Ω	
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤2.5 mΩ	
Temperature range	-65°C ÷ +155°C	

Above, are typical characteristics of PMMA/BMZ connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Jack (female)**

**Plug (male)**




Lettera	Jack		Plug	
	mm	Min/Max	mm	Min/Max
A	1.57	Max	4.67	Min
B	2.21	Max	2.21	Min
C	3.28	Min	1.57	Min
D	4.78	Max	0.25	Max
E	2.41	Min	0.76	Min
F	1.78	Min	3.30	Min
G	0.25	Max	1.65	Min
H	3.30	Max	3.30	Min
I	3.30	Max	5.16	Max
J	4.78	Max	0.28	Max
K	2.63	Min	0.53	Max
L	n.a		1.52	Min
M	n.a		0.38	Min
N	n.a		3.30	Min

## SEMIRIGID CABLE CONNECTORS

### STRAIGHT PANEL PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR382523LS	PMMA/BMZ m for UT.085	lozenge	2
MR382536LS 	PMMA/BMZ m for UT.141	lozenge	3
MR382589LS	PMMA/BMZ m for UT.047	lozenge	

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR381500LS 	PMMA/BMZ f panel mount	lozenge	1

# DRAWINGS PMMA/BMZ

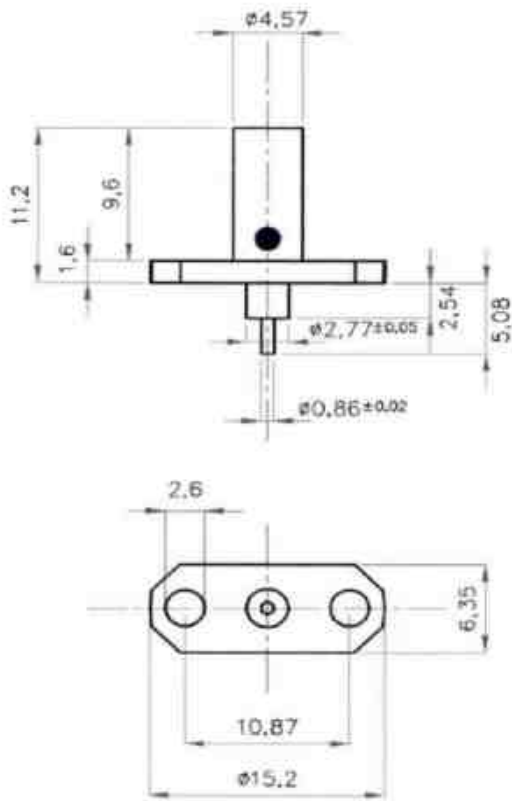
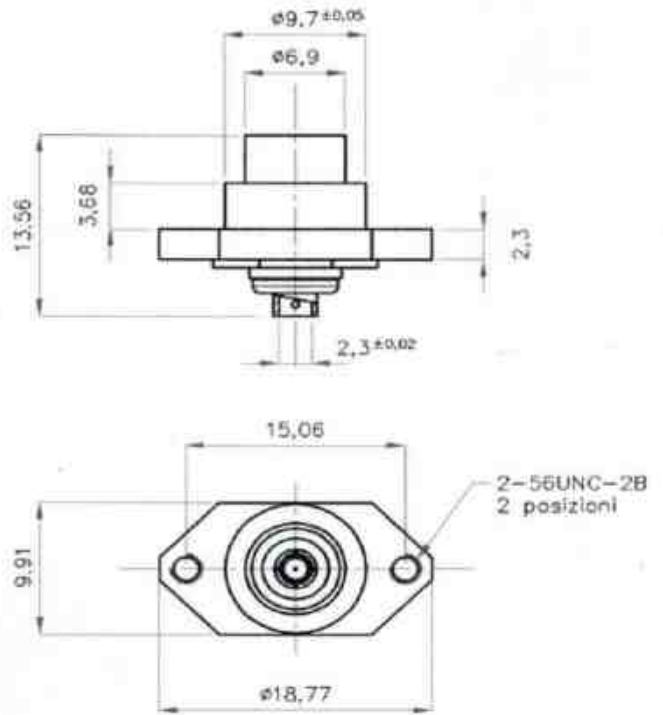


Fig.1

P/N MR381500LS



P/N MR382523LS

Fig.2

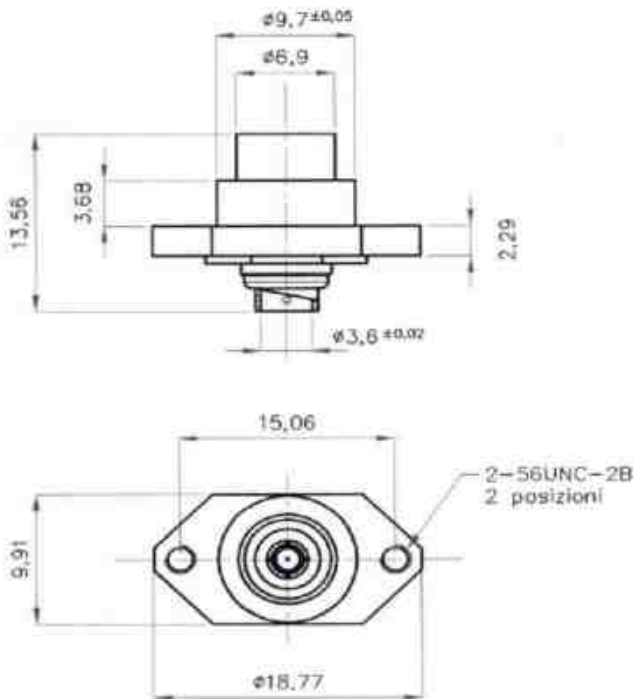


Fig.3

P/N MR382536LS

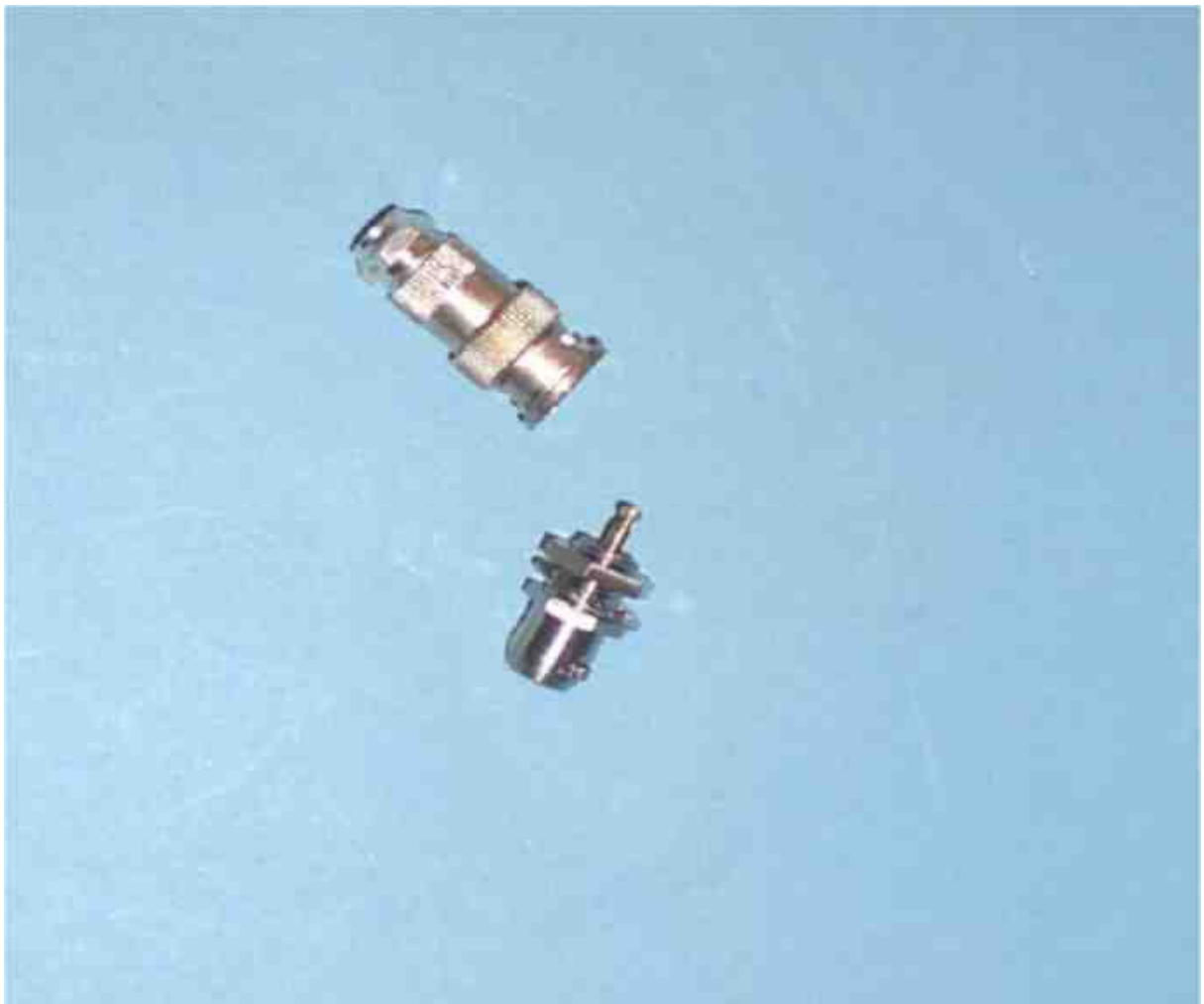
P/N

Fig.4



# BSM

## COAXIAL CONNECTORS 75 $\Omega$



## TECHNICAL INFORMATIONS    BSM

		notes
Frequency range	DC ÷ 500 MHz	
Impedance	n.a.	
Insulation	500V	

Above, are typical characteristics of BSM connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

### INTERFACE


**Plug (male)**

**Jack (female)**

## FLEXIBLE CABLE CONNECTORS

### STRAIGHT MALE BODY-FEMALE CONTACT SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
371035 	BSM female contact for RG 179-187		
371064	BSM female contact for RG 59-62-71		

### RIGHT ANGLE 90° MALE BODY-FEMALE CONTACT SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
371435	BSM female contact for RG 179-187		
371450	BSM female contact for ST 121		

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL FEMALE BODY - MALE CONTACT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
372700	BSM male solder contact	bulkhead	

### RIGHT ANGLE 90° FEMALE BODY - MALE CONTACT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
372400	BSM male solder contact	square flange	

# F

## COAXIAL CONNECTORS 75 $\Omega$



In Military sector, Genex RF can supply passive RF components on customer's request.



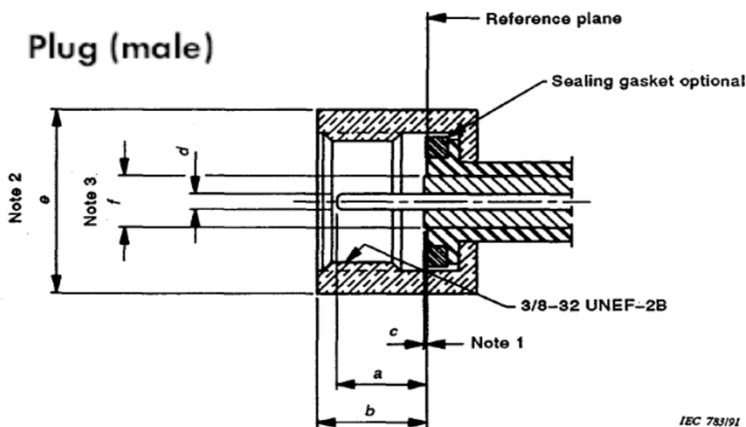
# TECHNICAL INFORMATIONS F

		notes
Frequency range	DC ÷ 1.5 GHz	
Impedance	75 Ω	
VSWR :	depending on cable	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.5$ mΩ	
	outer $\leq 1.0$ mΩ	
Dielectric	0,6 kV rms 50Hz	
Temperature range	-45°C ÷ +65°C	

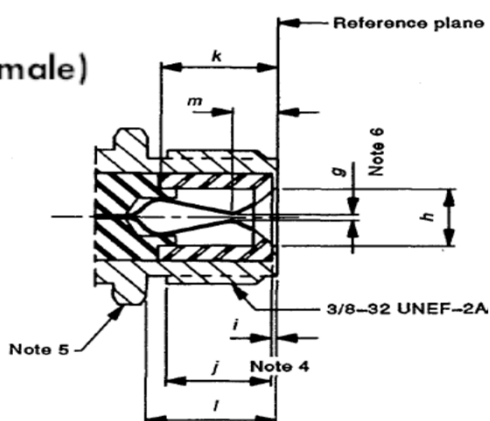
Above, are typical characteristics of F connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

### Plug (male)



### Jack (female)



Reference	Millimetres (mm)	
	Min.	Max.
a	4,95	6,86
b	-	7,29
c	-	0,25
d	0,51	1,63
e	-	12,95
f	-	3,8
g	-	-
h	3,86	-
i	0,30	-
j	5,56	-
k	7,0	-
l	7,59	-
m	-	4,70

## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
442060	F m for CT 127 outer diameter 12 mm		
442064	F m for RG 59-62-71		1

### STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
442080TP	F m for SAT 703B		2
4420857TP	F m for RG 6		

### RIGHT ANGLE 90° PLUGS (M) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
442449	F m for ST 212		
442450	F m for ST 121		



## RECEPTACLES WITH SOLDER END



### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
441700 	F f solder contact	bulkhead	

## ADAPTERS F - F



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
4413441 	F f - F f		3
4423442 	F m - F m		

For others combinations, see section " COAXIAL ADAPTERS"

# DRAWINGS F

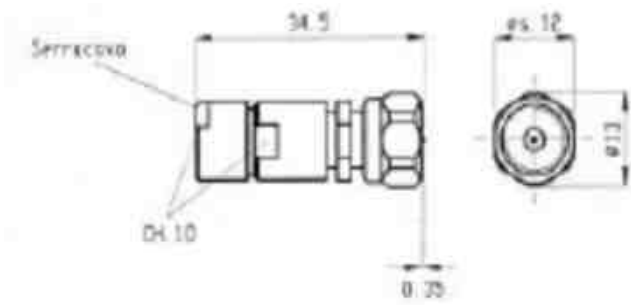
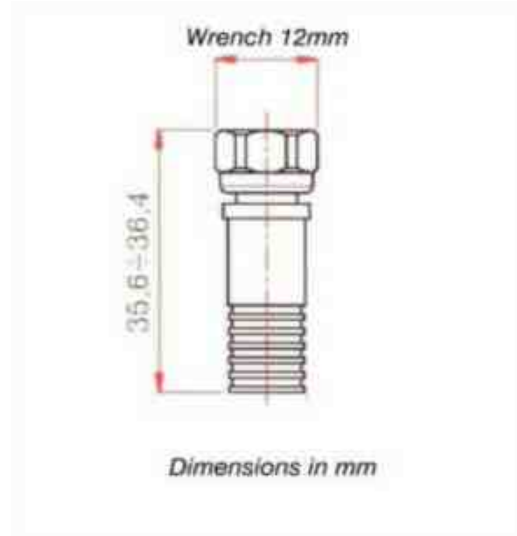


Fig.1

P/N 442064



P/N 442080TP

Fig.2

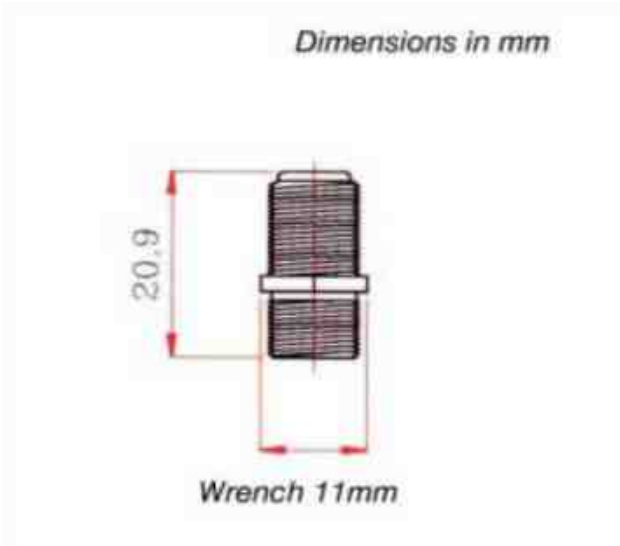


Fig.3

P/N 4413441

P/N

Fig.4

Fig.5

P/N

P/N

Fig.6

# MINI UHF

COAXIAL CONNECTORS 50Ω



Genex RF relies on a laboratory measurement able to certify the quality of its products across the microwaves band.



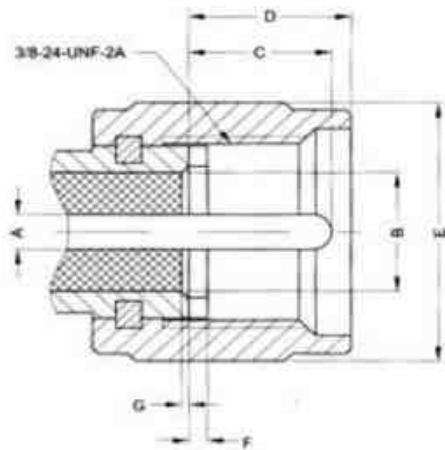
# TECHNICAL INFORMATIONS MINI UHF

		notes
Frequency range	DC ÷ 2,5 GHz	
Impedance	50 Ω	
VSWR :	1.25 MAX	straight
	1.35 MAX	angle
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤3.0 mΩ	
	outer ≤4,5 mΩ	
Temperature range	-55°C ÷ +85°C	
Thermal shock	MIL-STD-202	
Corrosion	MIL-STD-202	
Vibration	MIL-STD-202	
Shock	MIL-STD-202	

Above, are typical characteristics of MINI UHF connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

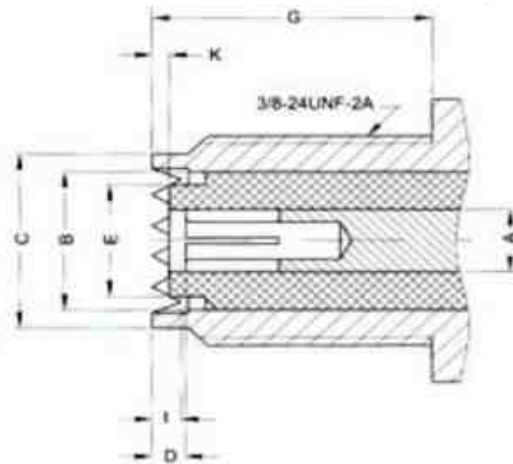
## INTERFACE

**Plug (male)**



Code	Plug Millimeters	
	Min	Max
A	1.50	1.65
B	5.50nom	
C	6.00	7.30
D	6.50	8.00
E	-	12.00
F	0.63	0.77
G	-	0.70

**Jack (female)**




Code	Jack Millimeters	
	Min	Max
A	2.20nom	
B	7.00nom	
C	7.90	8.10
D	0.80	2.00
E	4.70nom	
G	6.50	-
I	0.63	0.77
K	-	0.50

# FLEXIBLE CABLE CONNECTORS

## STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
412056TP 	MINI UHF m for RG 58-141-142-223-303		



# TWINAX

COAXIAL CONNECTORS 95  $\Omega$



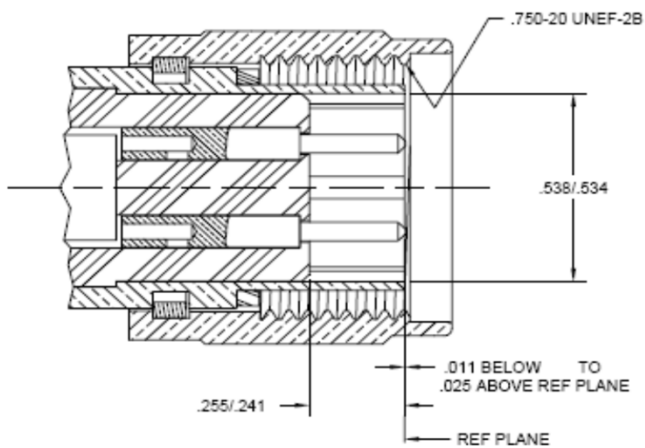
# TECHNICAL INFORMATIONS TWINAX

		notes
Frequency range	DC ÷ 200 MHz	
Impedance	95 Ω	
VSWR :	N.A.	
Insulation	$\geq 5 * 10^3$ MΩ	
Mating	Polarization, 3/4-20 Threaded	
Contact resistance	centre $\leq 1.5$ mΩ	
	outer $\leq 1.0$ mΩ	
Dielectric	1,5kV rms 50Hz	depending on cable
Temperature range	-55°C ÷ +95°C	

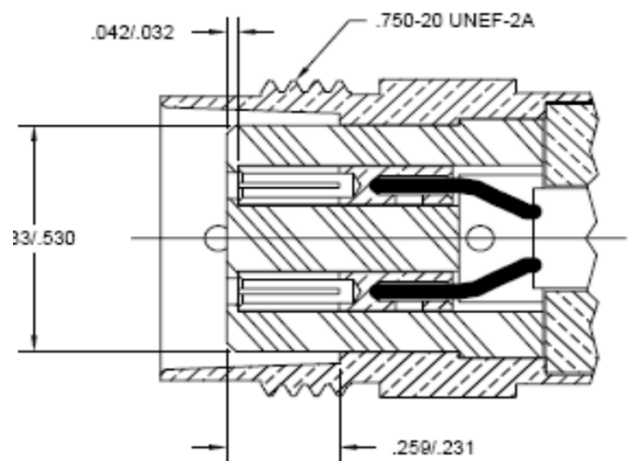
Above, are typical characteristics of TWINAX connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**



**Jack (female)**





## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
512085	Twinax m for twinax cable		

### STRAIGHT JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
511085	Twinax f for twinax cable		

## RECEPTACLES WITH SOLDER END



### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
511700	Twinax f solder contact	bulkhead	

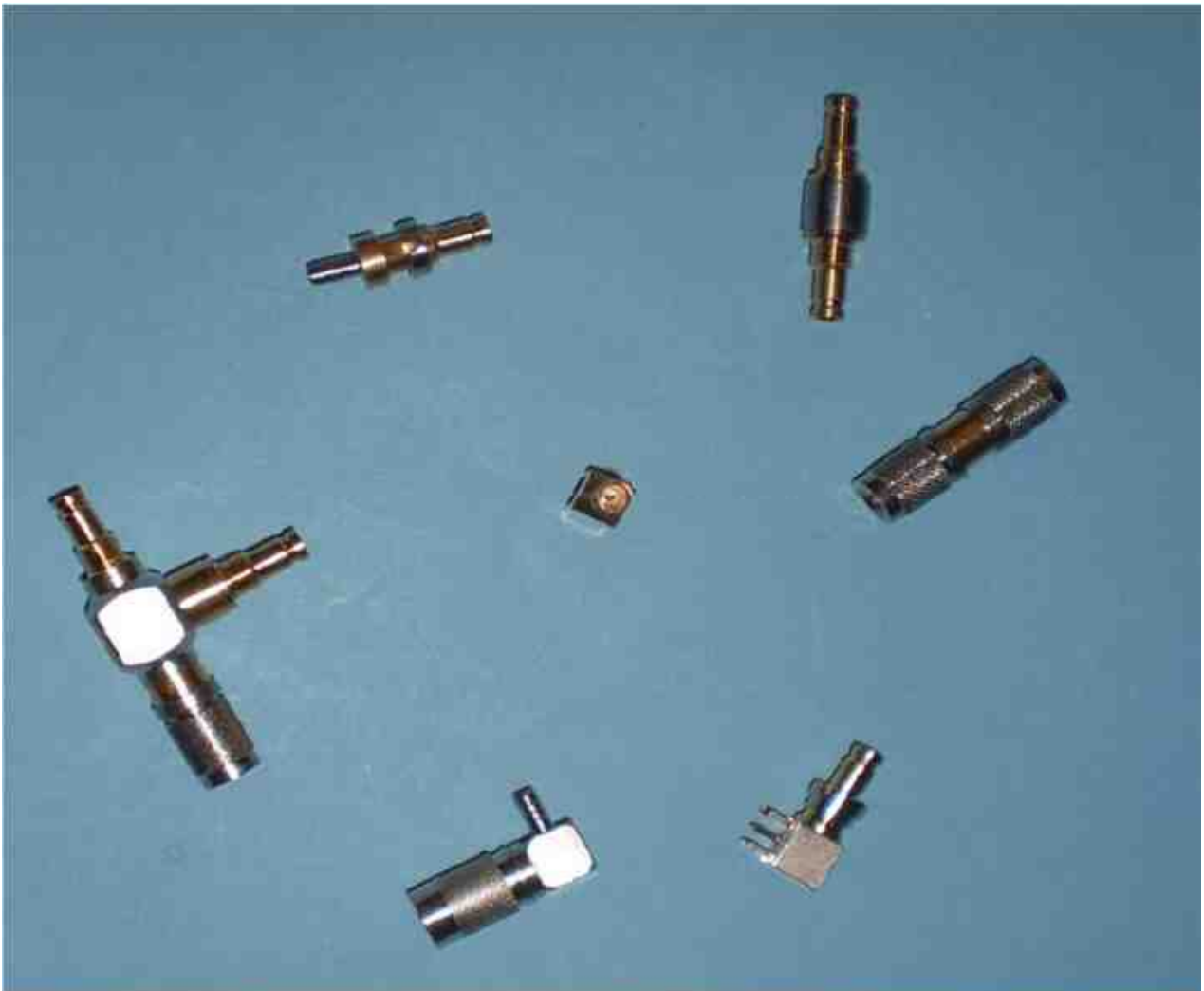
## ADAPTERS TWINAX - TWINAX



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
5113511 	Twinax f - Twinax f		
5117511	Twinax f - Twinax f panel mount	bulkhead	
5123512	Twinax m - Twinax m		
51090121 	Twinax f - m - f	T adapter	

# 1.0/2.3

## COAXIAL CONNECTORS 50 $\Omega$



Genex RF has the quality certification ISO 9001



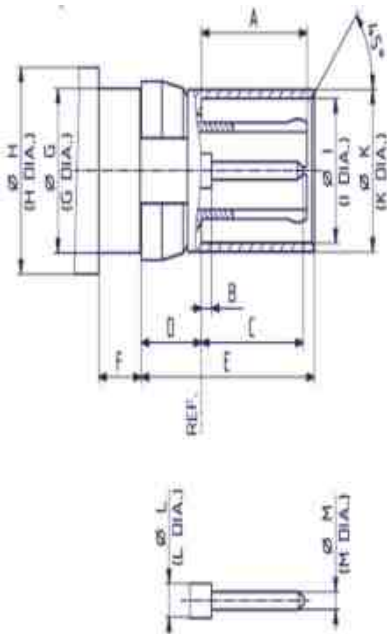
# TECHNICAL INFORMATIONS 1.0/2.3

		notes
Frequency range	DC ÷ 10 GHz	50 Ω cables
	DC ÷ 1 GHz	75 Ω cables
Impedance	50 Ω	
VSWR :	1.25 MAX (DC ÷ 10 GHz)	50 Ω cables
	1.20 MAX (DC ÷ 1 GHz)	75 Ω cables
Insulation	≥ 5 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤ 10 mΩ	
	outer ≤ 3 mΩ	
Temperature range	-55°C ÷ +125°C	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	MIL-STD-202,method 204,condition A	

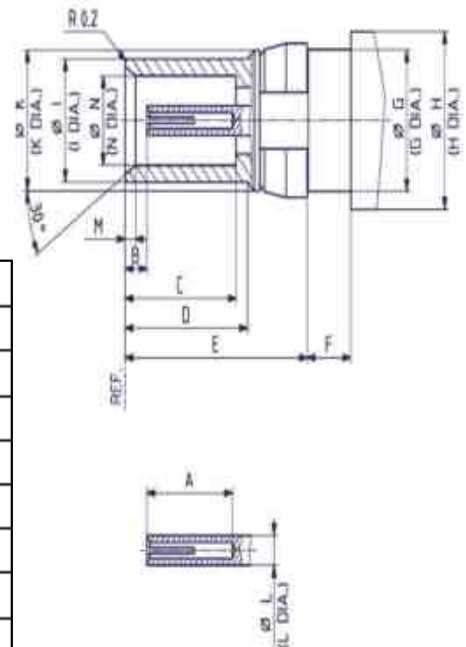
Above, are typical characteristics of 1.0/2.3 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE: DIN 41626/2

### Plug (male)



### Jack (female)

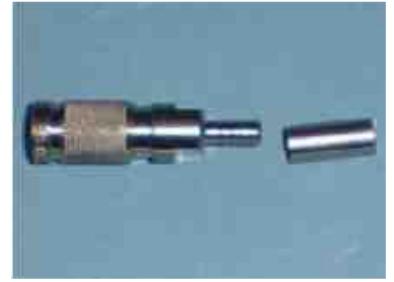



	Plug		Jack	
	min.	max.	min.	max.
A	5.40/.213	5.70/.224	4.50/.177	-
B	-	1.15/.045	1.15/.045	1.45/.057
C	5.20/.205	5.50/.217	5.80/.228	5.90/.232
D	3.05/.120	3.20/.126	6.40/.252	6.50/.256
E	9.25/.364	9.35/.368	9.50/.374	9.60/.378
F	2.22/.087	2.40/.094	2.22/.087	2.40/.094
G	4.76/.187	4.79/.189	4.76/.187	4.79/.189
H	-	6.00/.236	-	6.00/.236
I	4.20/.165	4.28/.169	4.03/.159	4.15/.163
K	4.66/.183	4.78/.188	4.72/.186	4.75/.187
L	1.00/.039 nom.		1.00/.039 nom.	
M	0.48/.019	0.52/.020	0.50/.020	0.60/.024
N	-	-	3.00/.118	3.06/.120

# FLEXIBLE CABLE CONNECTORS

50Ω / 75Ω


## STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
422035TP	1.0/2.3 m for RG 174-179-187-188-316		
422045TP	1.0/2.3 m for 2ycc - 0.4/2.5 cable		
422049TP 	1.0/2.3 m for ST 212		2
422050TP	1.0/2.3 m for ST 121		
422056TP	1.0/2.3 m for RG 58		
422064TP	1.0/2.3 m for RG 59		


## RIGHT ANGLE 45° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
422435TPJ	1.0/2.3 m for RG 174-179-187-188-316		
422445TPJ 	1.0/2.3 m for 2ycc - 0.4/2.5 cable		
422449TPJ	1.0/2.3 m for ST 212		
422450TPJ	1.0/2.3 m for ST 121		


## RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
422435TP	1.0/2.3 m for RG 174-179-187-188-316		
422445TP	1.0/2.3 m for 2ycc - 0.4/2.5 cable		
422449TP 	1.0/2.3 m for ST 212		3
422450TP	1.0/2.3 m for ST 121		
422464TP	1.0/2.3 m for RG 59		


## RIGHT ANGLE 90° JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
421435TP	1.0/2.3 f for RG 174-179-187-188-316		
421449TP 	1.0/2.3 f for ST 212		

## STRAIGHT PANEL JACKS (F) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
421835TP	1.0/2.3 f for RG 174-179-187-188-316		
421845TP	1.0/2.3 f for 2ycc - 0.4/2.5 cable		
421849TP 	1.0/2.3 f for ST 212		1
421850TP	1.0/2.3 f for ST 121		
421856TP	1.0/2.3 f for RG 58		
421864TP	1.0/2.3 f for RG 59		

## PCB CONNECTORS

### STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
4210CS	1.0/2.3 f for pcb		

### RIGHT ANGLE 90° JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
4214CS	1.0/2.3 f for pcb		4
4214CS5	1.0/2.3 f for pcb	distance contact 5 mm	5

## RECEPTACLES WITH SOLDER END




### STRAIGHT PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
421700	1.0/2.3 f solder contact	bulkhead	



## ADAPTERS 1.0/2.3 - 1.0/2.3



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
4213421 	1.0/2.3 f - 1.0/2.3 f		6
4217421	1.0/2.3 f - f	bulkhead	7
4223421	1.0/2.3 m -1.0/2.3 f		8
4223422 	1.0/2.3 m -1.0/2.3 m		9
42090111	1.0/2.3 f - f - f	T adapter	
42090112 	1.0/2.3 f - f - m	T adapter	10
42090121	1.0/2.3 f - m - f	T adapter	
420901249TP	1.0/2.3 m - f for ST 212 cable crimp	T adapter	11

For others combinations, see section " COAXIAL ADAPTERS"

## DECOUPLERS




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
DS1009012421	DECOUPLER Through line BNC m - f Decoupled output 1.0/2.3 f	-20 dB decoupled	
DS42090112	DECOUPLER Through line 1.0/2.3 m - 1.0/2.3 f Decoupled output 1.0/2.3 f	-20 dB decoupled	13
DS4209012611	DECOUPLER Through line 1.0/2.3 m - 1.0/2.3 f Decoupled output 1.6/5.6 f	-20 dB decoupled	
DS42090112UR	DECOUPLER Through line 1.0/2.3 m - f Decoupled output 1.0/2.3 f	-20 dB decoupled	14
DS6109012421	DECOUPLER Through line 1.6/5.6 m - f Decoupled output 1.0/2.3 f	-20 dB decoupled	15

on request, custom decoupled

# ACCESSORIES

## EXTRACTORS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EST4220 	Extractor for 1.0/2.3 plug-locked	straight	16
EST4224	Extractor for 1.0/2.3 plug-locked	right angle 90°	

## WRENCHES

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CHV4210	Wrench for 1.0/2.3 f connector		12

# DRAWINGS 1.0/2.3

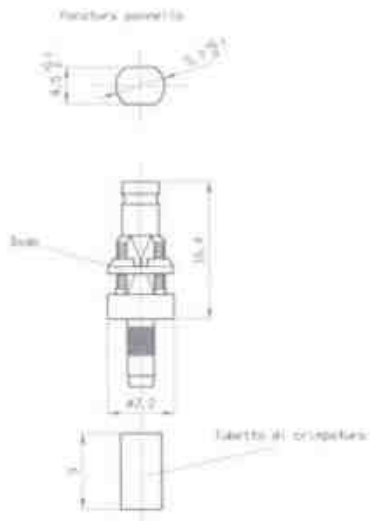
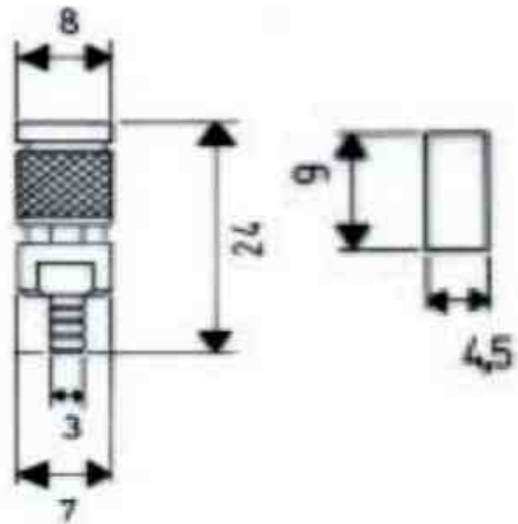


Fig.1

P/N 421849TP



P/N 422049TP

Fig.2

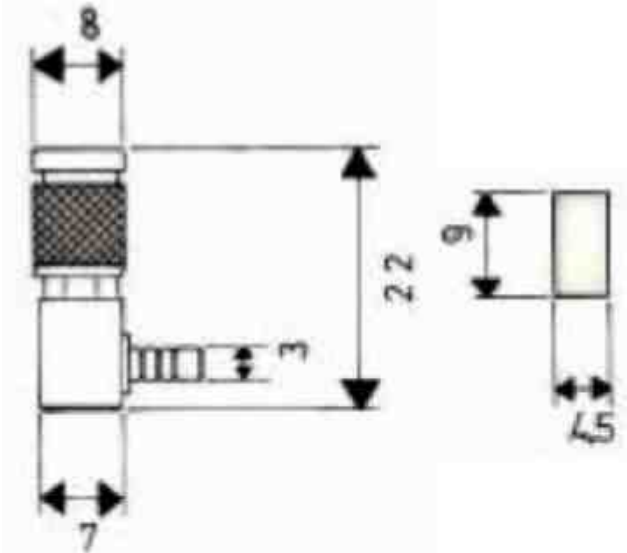
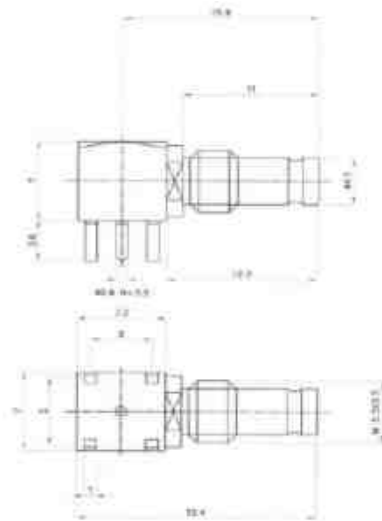


Fig.3

P/N 422449TP



P/N 4214CS

Fig.4

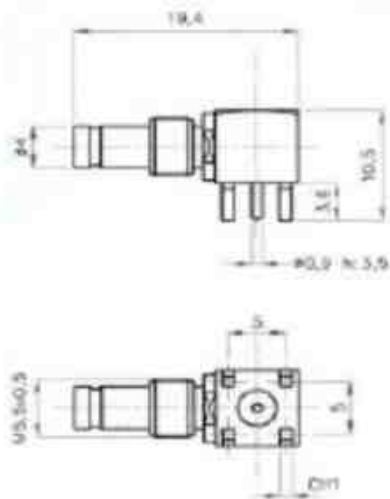
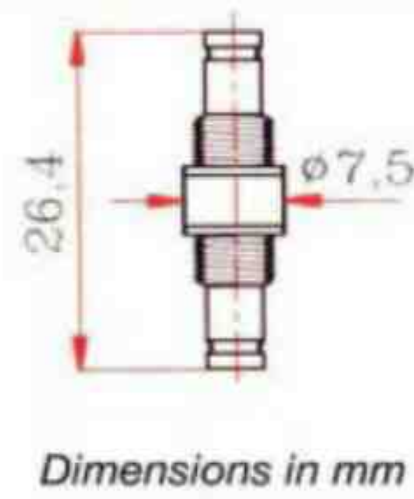


Fig.5

P/N 4214CS5



P/N 4213421

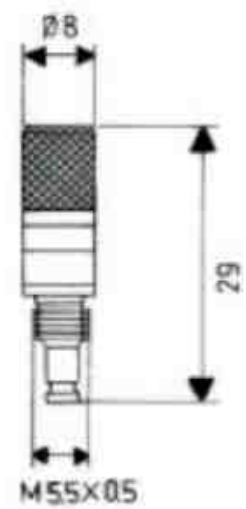
Fig.6

# DRAWINGS 1.0/2.3



Fig.7

P/N 4217421



P/N 4223421

Fig.8

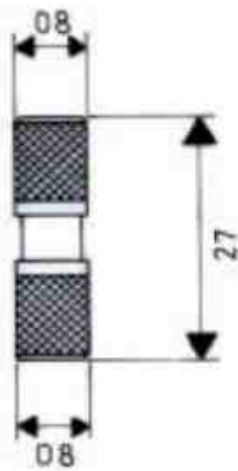
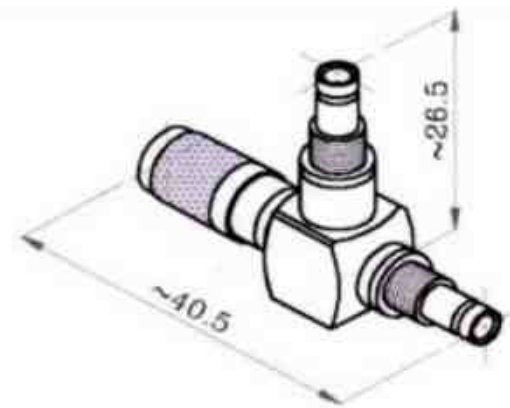


Fig.9

P/N 4223422



Dimensions in mm

P/N 42090112

Fig.10

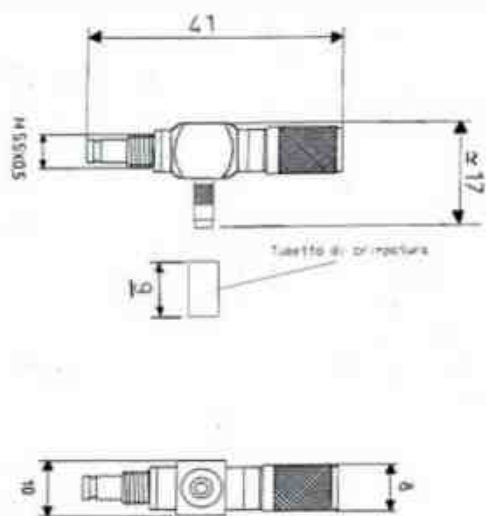
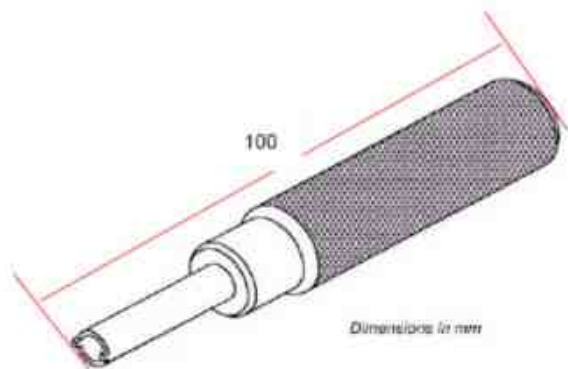


Fig.11

P/N 420901249TP

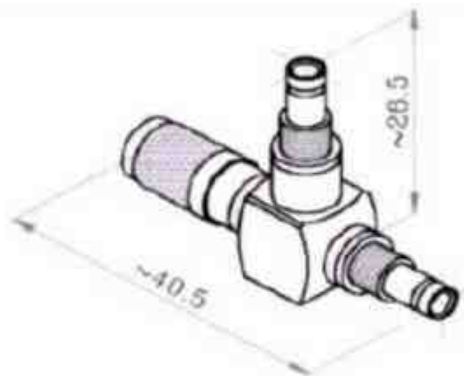


Dimensione in mm

P/N CHV4210

Fig.12

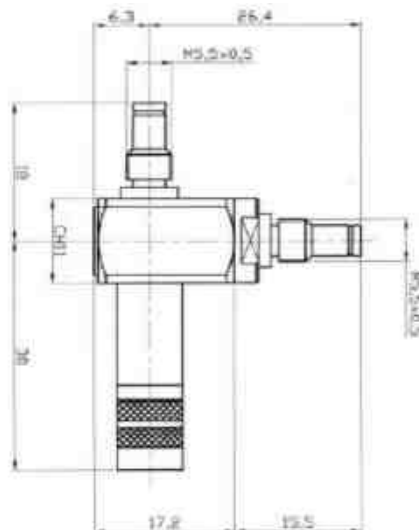
# DRAWINGS 1.0/2.3



Dimensions in mm

Fig.13

P/N DS42090112



P/N DS42090112UR

Fig.14

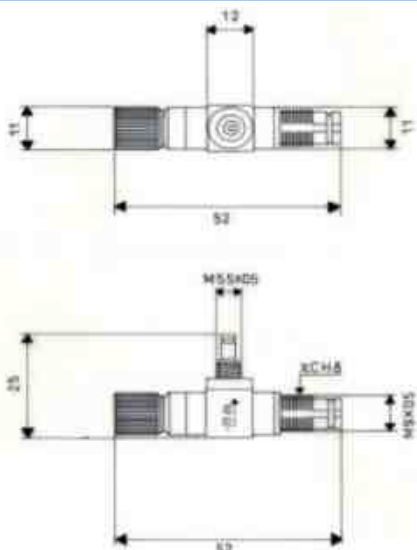
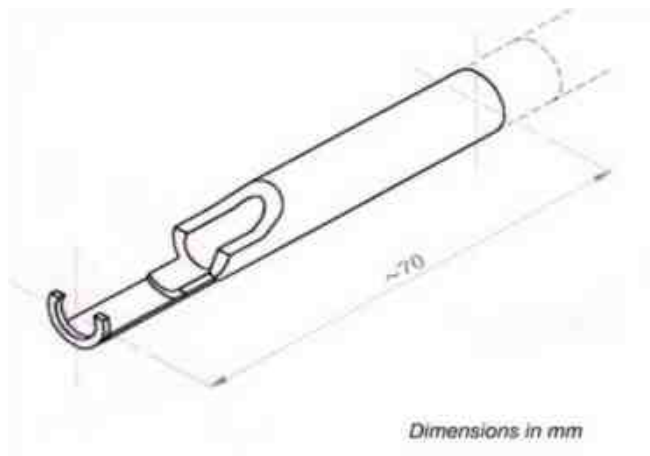


Fig.15

P/N DS6109012421



Dimensions in mm

P/N EST4220

Fig.16

Fig.17

P/N

P/N

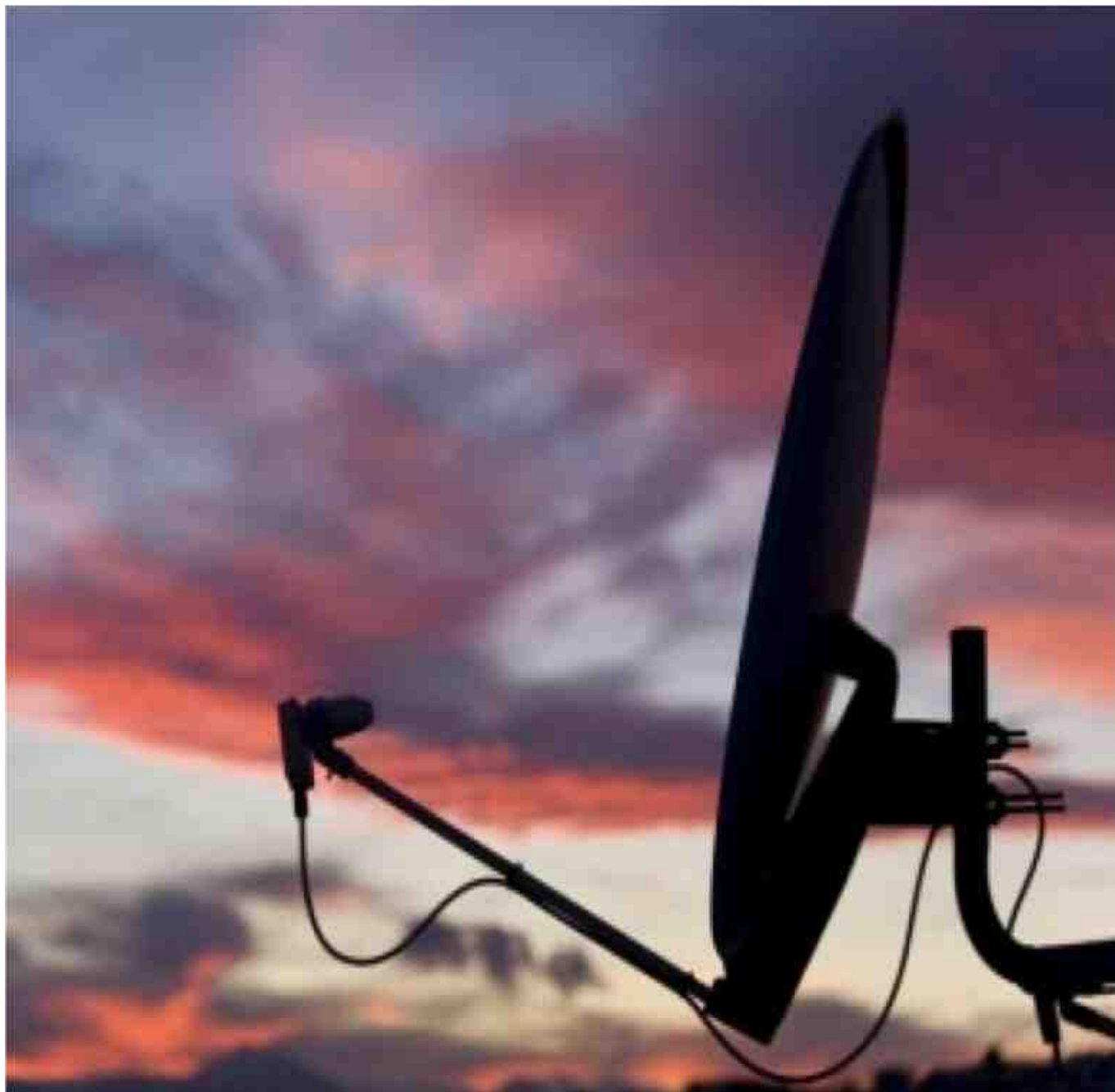
Fig.18

# 1.6/5.6

## COAXIAL CONNECTORS 75 $\Omega$



All coaxial connectors series produced in Genex RF are strictly comply with the MIL-SPEC.





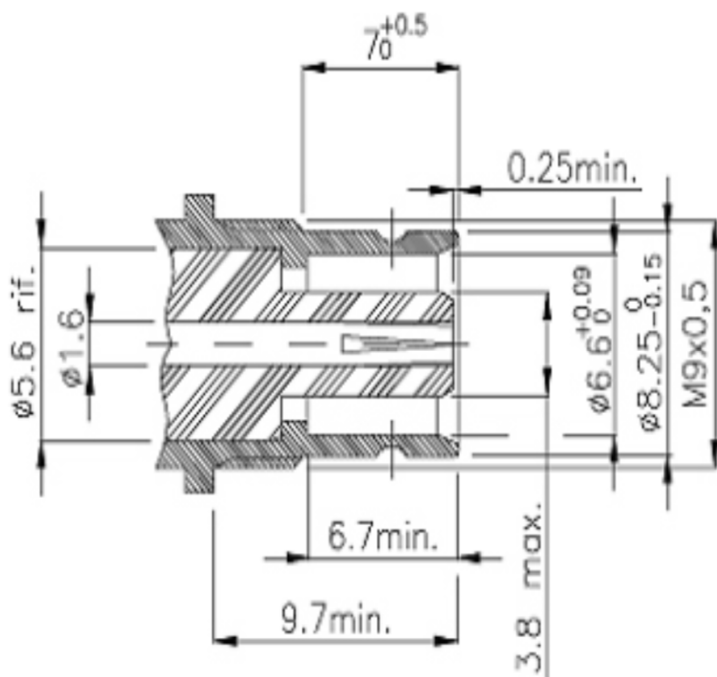
# TECHNICAL INFORMATIONS 1.6/5.6

		notes
Frequency range	DC ÷ 1 GHz	
Impedance	75 Ω	
VSWR :	1.20 MAX	
Insulation	≥ 10 * 10 <sup>3</sup> MΩ	
Mating	M9 x 0,5 Threaded	
Contact resistance	centre ≤4.0 mΩ	
	outer ≤2.0 mΩ	
Dielectric	1,0 kV rms 50Hz	depending on cable
Temperature range	-40°C ÷ +125°C	
Interface dimensions	CECC: 122240	
	IEC:60169-13	
	DIN:47295	

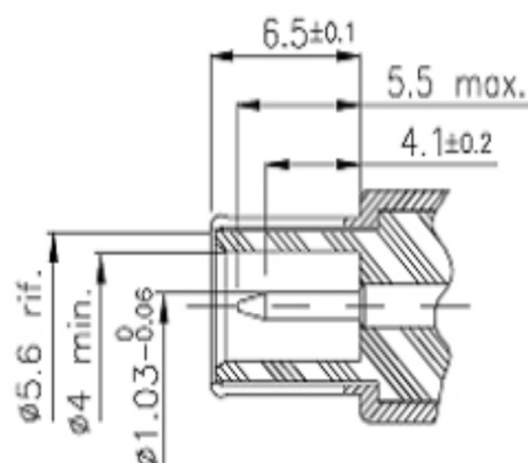
Above, are typical characteristics of 1.6/5.6 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**




**Jack (female)**



## FLEXIBLE CABLE CONNECTORS


### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
612011	1.6/5.6 m for RG 11-13-216		
612035	1.6/5.6 m for RG 179-187		7
612049	1.6/5.6 m for ST 212		8
612050 	1.6/5.6 m for ST 121		9
612064	1.6/5.6 m for RG 59		10
612085	1.6/5.6 m for RG 6		


### STRAIGHT PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
612011TP	1.6/5.6 m for RG 11-13		18
612011TPDS	1.6/5.6 m for RG 216		20
612049TP	1.6/5.6 m for ST 212		
612050TP	1.6/5.6 m for ST 121		
612064TP 	1.6/5.6 m for RG 59		11
612064TPDS	1.6/5.6 m for RAI 08390 cable		17


## RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
612411	1.6/5.6 m for RG 11-13-216		
612435	1.6/5.6 m for RG 179-187		
612449 	1.6/5.6 m for ST 212		12
612450	1.6/5.6 m for ST 121		
612464	1.6/5.6 m for RG 59		
612485	1.6/5.6 m for RG 6		

## STRAIGHT JACKS (F) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
611011 *	1.6/5.6 f for RG 11-13-216		
611035 * 	1.6/5.6 f for RG 179-187		2
611049 *	1.6/5.6 f for ST 212		
611050 *	1.6/5.6 f for ST 121		3
611064 *	1.6/5.6 f for RG 59		26
611085 *	1.6/5.6 f for RG 6		

\* also suitable for panel mounting

## STRAIGHT JACKS (F) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
611011TPDS *	1.6/5.6 f for RG 216		
611011TP *	1.6/5.6 f for RG 11-13		1
611045TP *	1.6/5.6 f for 2YCC - 0,4/2,5		
611064TPDS 	1.6/5.6 f for RG 59		14

\* also suitable for panel mounting

## RIGHT ANGLE 90° JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
611449 	1.6/5.6 f for ST 212		
611450	1.6/5.6 f for ST 121		4
611464	1.6/5.6 f for RG 59		5
611485	1.6/5.6 f for RG 6		


## RIGHT ANGLE 90° JACKS (F) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
611449TP	1.6/5.6 f for ST 212		15
611464TP	1.6/5.6 f for RG 59		16

## PCB CONNECTORS

### STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6110CS5 	1.6/5.6 f for pcb	distance contact 5 mm	13
6110CS7	1.6/5.6 f for pcb	distance contact 7 mm	
6110CS9	1.6/5.6 f for pcb	distance contact 9 mm	


### RIGHT ANGLE 90° JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6114CS	1.6/5.6 f for pcb		

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
611700 	1.6/5.6 f solder contact	bulkhead	6

## ADAPTERS 1.6/5.6 - 1.6/5.6



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6113611	1.6/5.6 f - 1.6/5.6 f		19
6117611	1.6/5.6 f - 1.6/5.6 f panel mount	bulkhead	
6123611	1.6/5.6 m - 1.6/5.6 f		21
6123612	1.6/5.6 m - 1.6/5.6 m		22
61090111	1.6/5.6 f - f - f	T adapter	
61090121	1.6/5.6 f - m - f	T adapter	23

For others combinations, see section " COAXIAL ADAPTERS"

## DECOUPLERS




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
DS61090112	DECOUPLER	-20 dB decoupled	24
	Through line 1.6/5.6 m - f		
	Decoupled output 1.6/5.6 f		
DS4209012611	DECOUPLER	-20 dB decoupled	
	Through line 1.0/2.3 m - 1.0/2.3 f		
	Decoupled output 1.6/5.6 f		
DS6109012421	DECOUPLER	-20 dB decoupled	25
	Through line 1.6/5.6 m - f		
	Decoupled output 1.0/2.3 f		

on request, custom decoupled

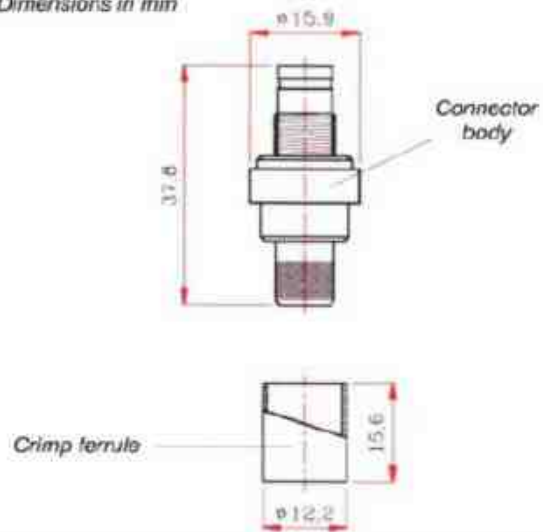
# ACCESSORIES



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
INS5049 	Reduction insert for ST 212 cable		

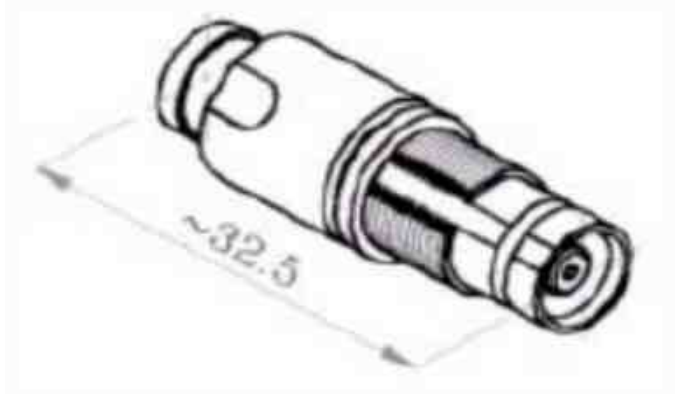
## DRAWINGS 1.6/5.6

Dimensions in mm



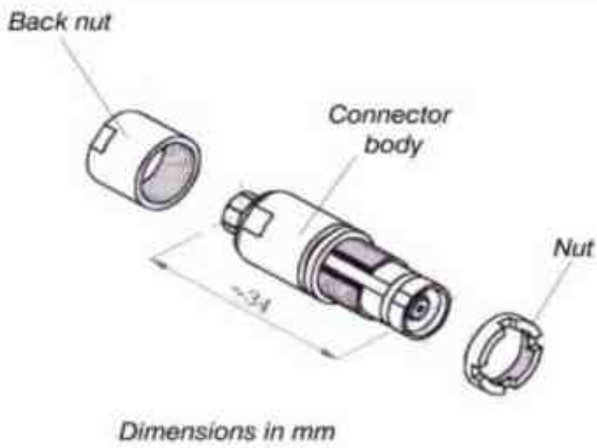
**Fig.1**

**P/N 611011TP**



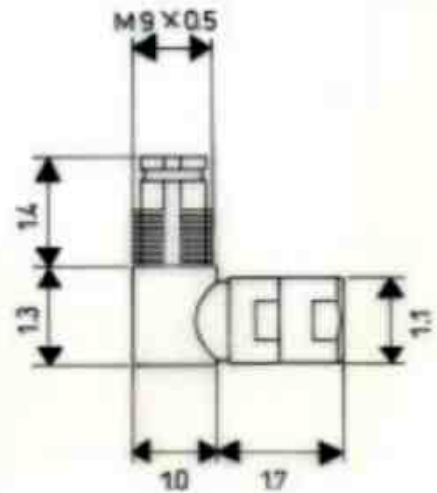
**P/N 611035**

**Fig.2**



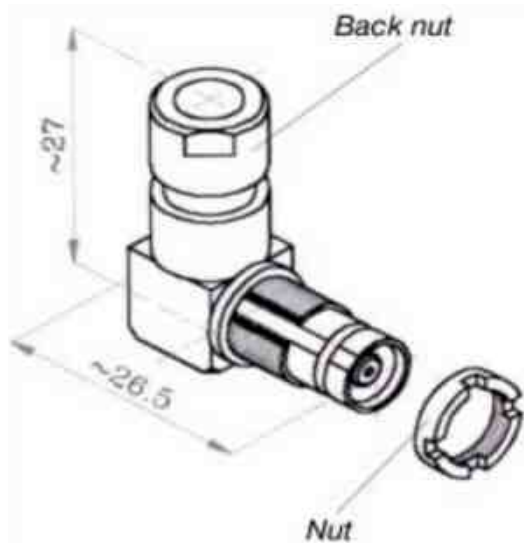
**Fig.3**

**P/N 611050**



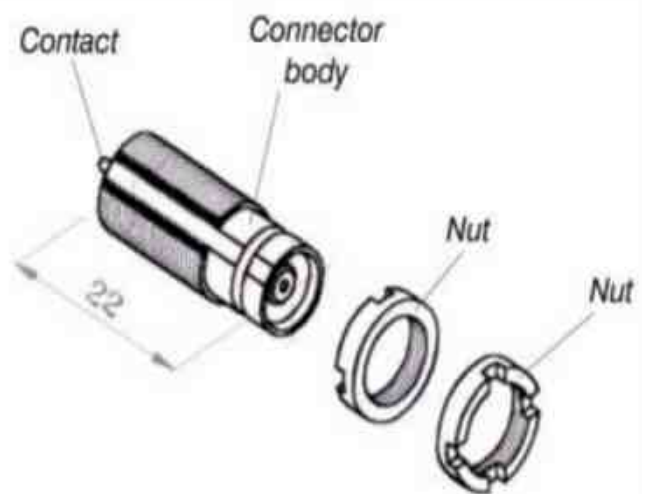
**P/N 611450**

**Fig.4**



**Fig.5**

**P/N 611464**

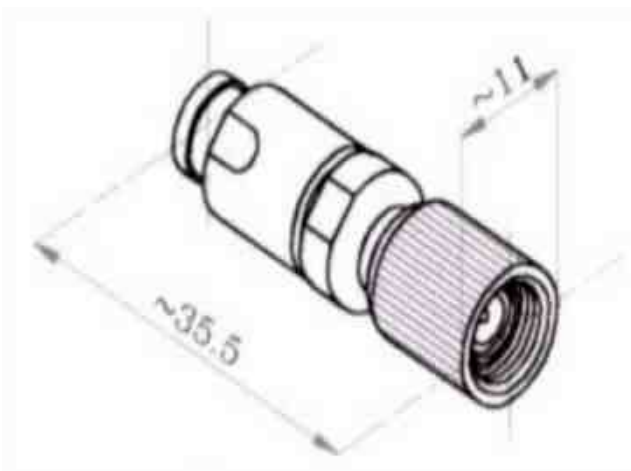


**P/N 611700**

**Fig.6**

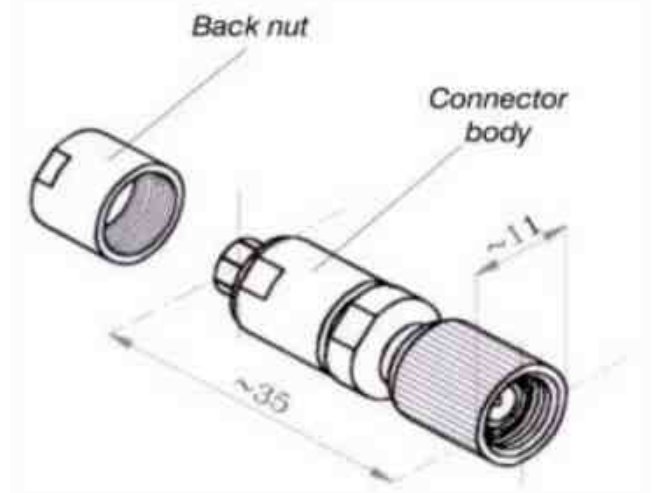


**DRAWINGS 1.6/5.6**



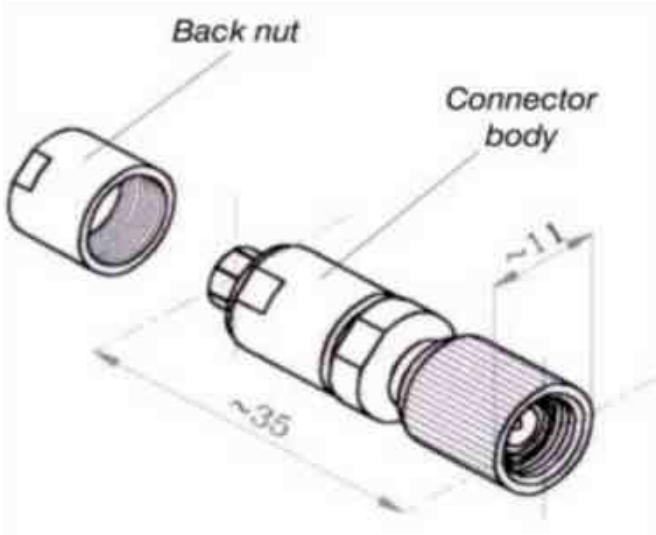
**Fig.7**

**P/N 612035**



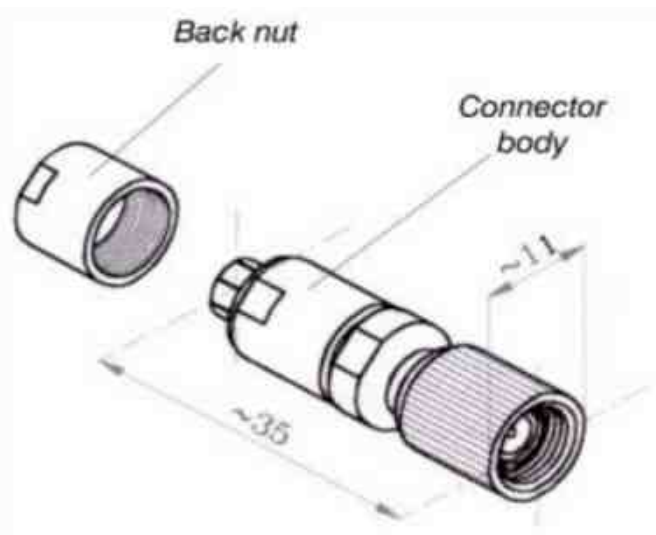
**Fig.8**

**P/N 612049**



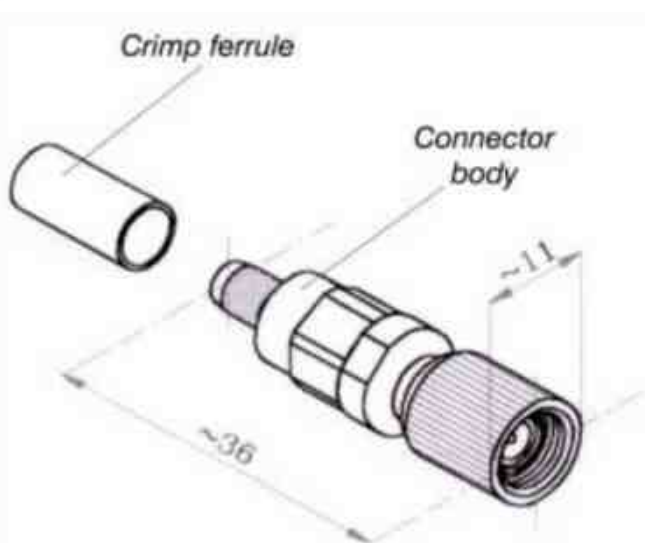
**Fig.9**

**P/N 612050**



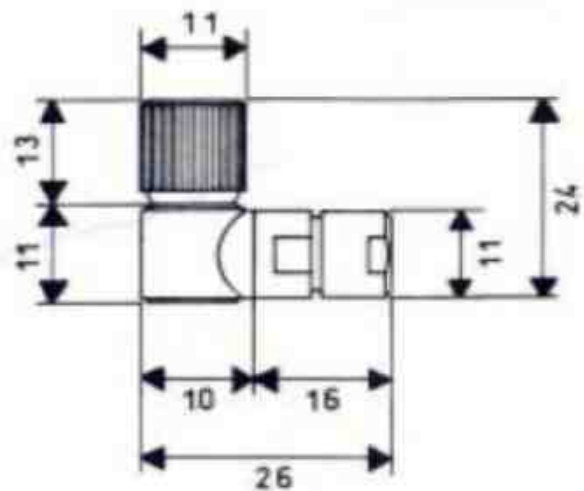
**Fig.10**

**P/N 612064**



**Fig.11**

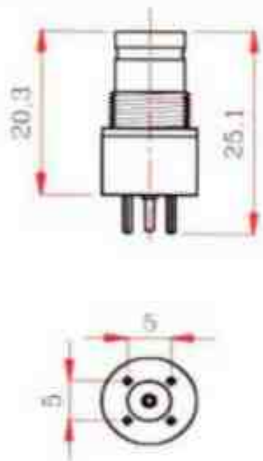
**P/N 612064TP**



**P/N 612449**

**Fig.12**

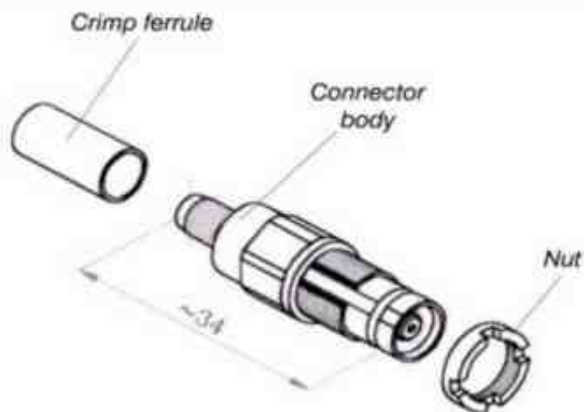
# DRAWINGS 1.6/5.6



Dimensions in mm

Fig.13

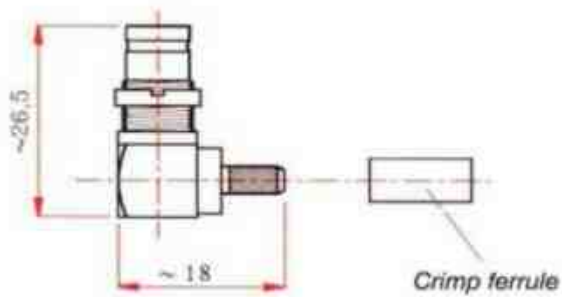
P/N 6110CS5



Dimensions in mm

P/N 611064TPDS

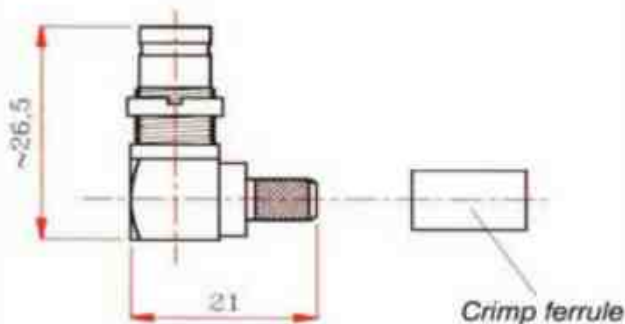
Fig.14



Dimensions in mm

Fig.15

P/N 611449TP



Dimensions in mm

P/N 611464TP

Fig.16

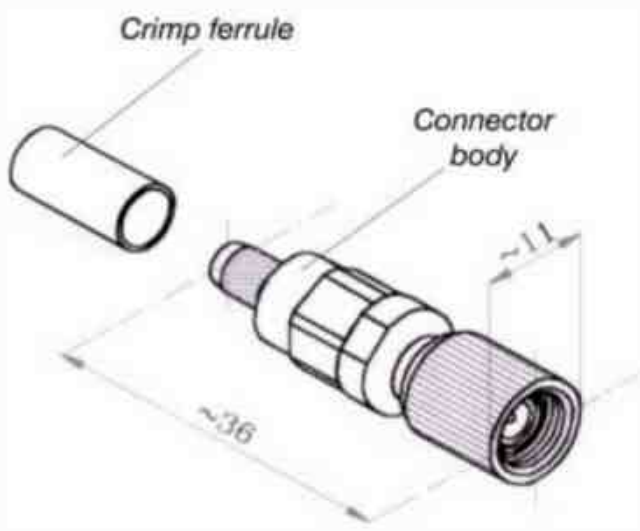
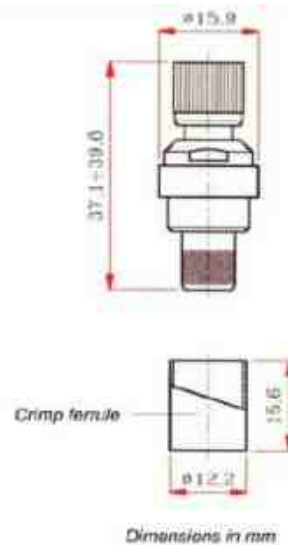


Fig.17

P/N 612064TPDS



Dimensions in mm

P/N 612011TP

Fig.18

# DRAWINGS 1.6/5.6

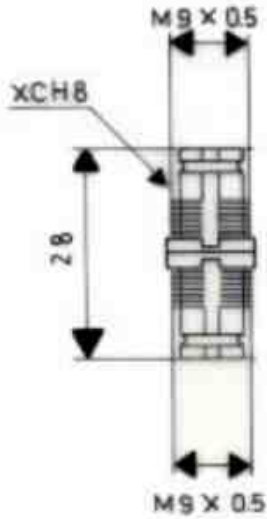
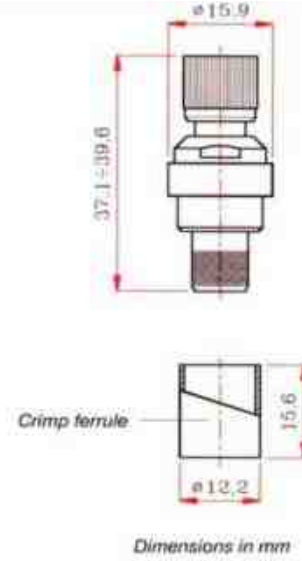


Fig.19

P/N 6113611



P/N 612011TPDS

Fig.20

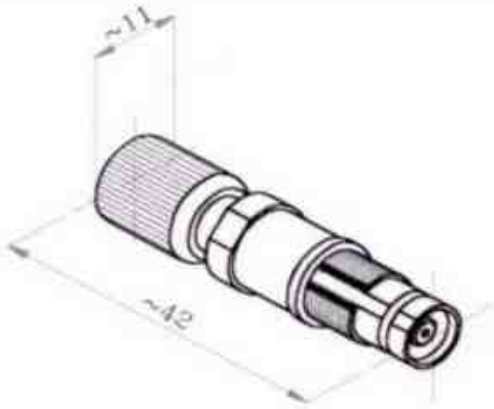
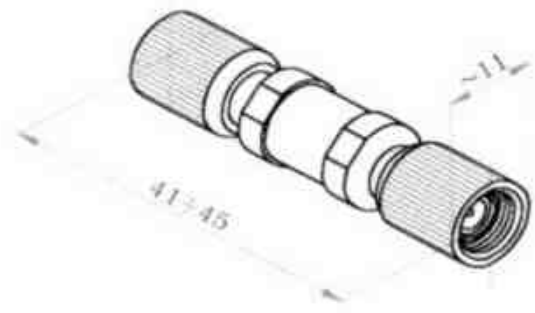


Fig.21

P/N 6123611



P/N 6123612

Fig.22

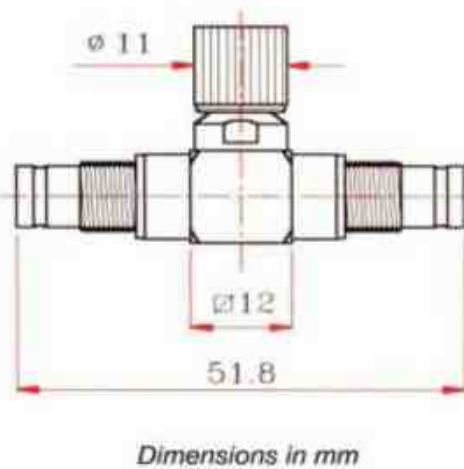
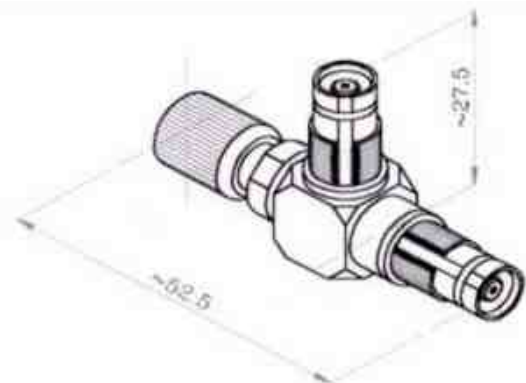


Fig.23

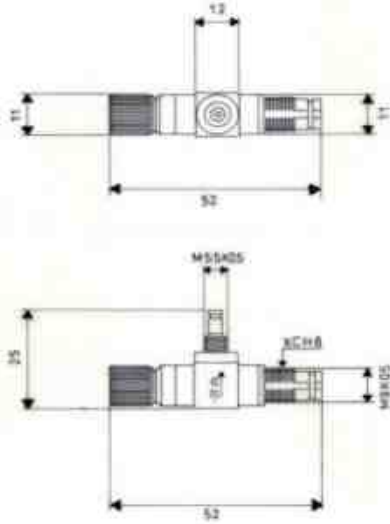
P/N 61090121



P/N DS61090112

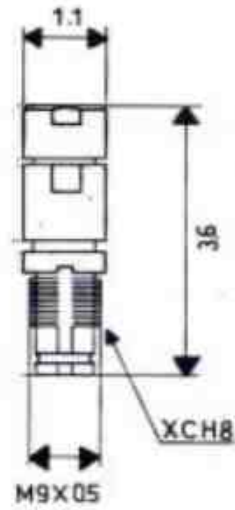
Fig.24

**DRAWINGS 1.6/5.6**



**Fig.25**

**P/N DS6109012421**



**P/N 611064**

**Fig.26**

**Fig.27**

**P/N**

**P/N**

**Fig.28**

**Fig.29**

**P/N**

**P/N**

**Fig.30**

# 1.8/5.6

## COAXIAL CONNECTORS 50 $\Omega$



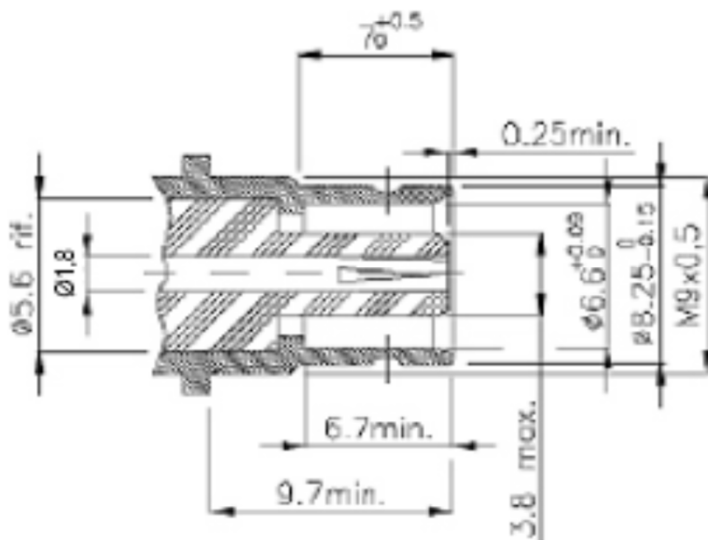
# TECHNICAL INFORMATIONS 1.8/5.6

		notes
Frequency range	DC ÷ 3 GHz	
Impedance	50 Ω	
VSWR :	1.10 MAX	
Insulation	≥ 4 * 10 <sup>3</sup> MΩ	
Contact resistance	centre ≤4.0 mΩ	
	outer ≤2.0 mΩ	
Dielectric	1,5kV rms 50Hz	depending on cable
Temperature range	-65°C ÷ +85°C	

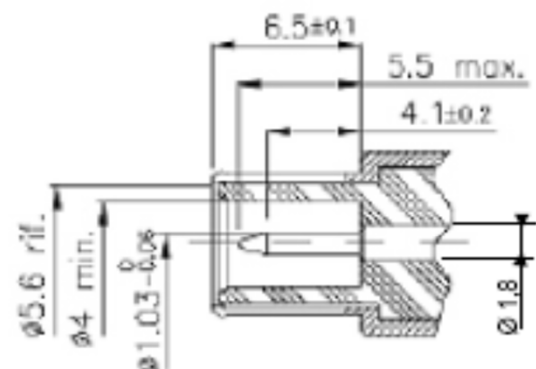
Above, are typical characteristics of 1.8/5.6 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Plug (male)**




**Jack (female)**



## FLEXIBLE CABLE CONNECTORS


### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
622011	1.8/5.6 m for RG 8-9-115-213-214		
622035	1.8/5.6 m for RG 174-188-316		
622056 	1.8/5.6 m for RG 58-141-142-223-303		
622085	1.8/5.6 m for RG 5-212		


### RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
622411	1.8/5.6 m for RG 8-9-115-213-214		
622456 	1.8/5.6 m for RG 58-141-142-223-303		
622485	1.8/5.6 m for RG 5-212		

### STRAIGHT JACKS (F) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
621011 *	1.8/5.6 f for RG 8-9-115-213-214		
621035 * 	1.8/5.6 f for RG 174-188-316		
621056 *	1.8/5.6 f for RG 58-141-142-223-303		
621085 *	1.8/5.6 f for RG 5-212		

\* also suitable for panel mounting

## RIGHT ANGLE 90° JACKS (F) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
621456 	1.8/5.6 f for RG 58-141-142-223-303		
621485	1.8/5.6 f for RG 5-212		

## SEMIRIGID CABLE CONNECTORS

### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
MR622023S0	1.8/5.6 m for UT.085	snap on	3
MR622036S0 	1.8/5.6 m for UT.141	snap on	4

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
621700	1.8/5.6 f solder contact	bulkhead	



## PCB CONNECTORS



### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
621700ST	1.8/5.6 f strip line contact	bulkhead	1
621900PCST	1.8/5.6 f strip line contact	circular flange	2
MR621700ST 	1.8/5.6 f strip line contact	bulkhead	5

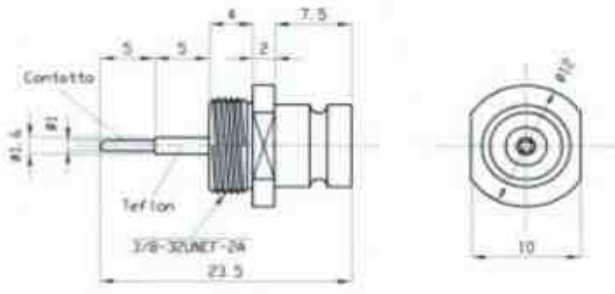
## ADAPTERS 1.8/5.6 - 1.8/5.6



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6213621 	1.8/5.6 f - 1.8/5.6 f		
6217621	1.8/5.6 f - 1.8/5.6 f panel mount	bulkhead	
6223621	1.8/5.6 m - 1.8/5.6 f		
6223622 	1.8/5.6 m - 1.8/5.6 m		
62090111	1.8/5.6 f - f - f	T adapter	
62090121	1.8/5.6 f - m - f	T adapter	

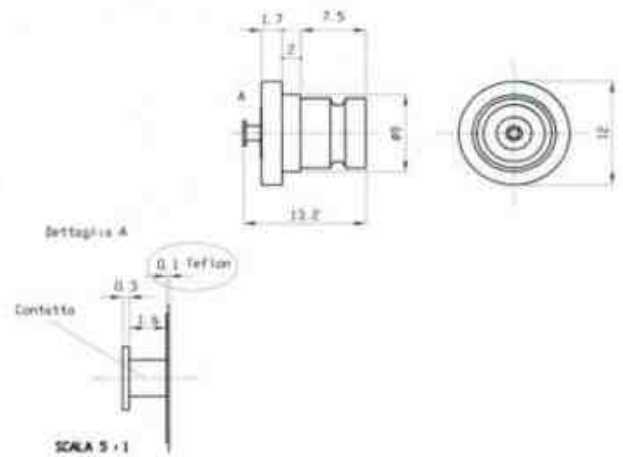
For others combinations, see section " COAXIAL ADAPTERS"

## DRAWINGS 1.8/5.6



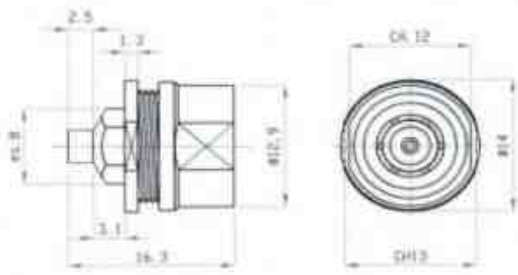
**Fig.1**

**P/N 621700ST**



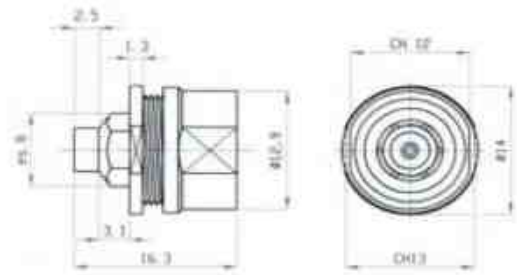
**P/N 621900PCST**

**Fig.2**



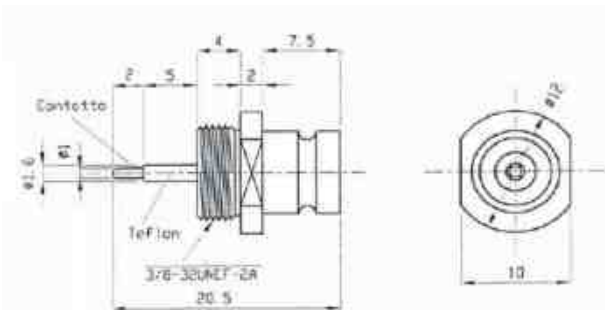
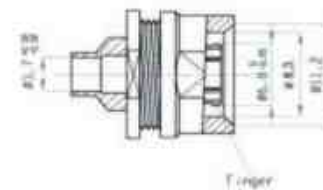
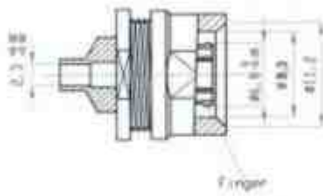
**Fig.3**

**P/N MR622023S0**



**P/N MR622036S0**

**Fig.4**



**Fig.5**

**P/N MR621700ST**

**P/N**

**Fig.6**

2.5/6

## COAXIAL CONNECTORS 75 $\Omega$

*NOTE: PRODUCT OBSOLESCENCE*

## TECHNICAL INFORMATIONS 2.5/6

		notes
Frequency range	DC ÷ 500 MHz	
Impedance	75 Ω	
VSWR :	1.20 MAX	
Insulation	$\geq 5 * 10^3 \text{ M}\Omega$	
Temperature range	-65°C ÷ +165°C	

Above, are typical characteristics of 2.5/6 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

### INTERFACE

**Plug (male)**

**Jack (female)**

## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
662064	2.5/6 m for RG 59		

### STRAIGHT PLUGS (M) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
662064TP	2.5/6 m for RG 59		

### RIGHT ANGLE 90° PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
662464	2.5/6 m for RG 59		

### STRAIGHT JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
661079	2.5/6 f for Ø 7 mm.		

## STRAIGHT PANEL JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
661864	2.5/6 f for RG 59	bulkhead	

## RECEPTACLES WITH SOLDER END

## STRAIGHT PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
661500	2.5/6 f solder contact	bulkhead	

## ADAPTERS 2.5/6 - 2.5/6

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6613661	2.5/6 f - 2.5/6 f		
6623662	2.5/6 m - 2.5/6 m		

For others combinations, see section " COAXIAL ADAPTERS"

# 4.1/9.5

## COAXIAL CONNECTORS 50 $\Omega$



Our whole production of connectors and assembled coaxial cables complies with the European directives RoHS 2002/95/EEC





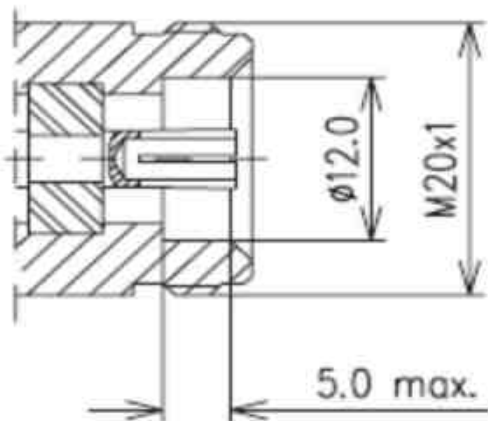
# TECHNICAL INFORMATIONS 4.1/9.5

		notes
Frequency range	DC ÷ 10 GHz	
Impedance	50 Ω	
VSWR :	1.30 MAX	
Insulation	$\geq 5 * 10^3$ MΩ	
Contact resistance	centre $\leq 1.0$ mΩ	
	outer $\leq 0.1$ mΩ	
Temperature range	-55°C ÷ +150°C	
Corrosion	IEC 68-2-11	

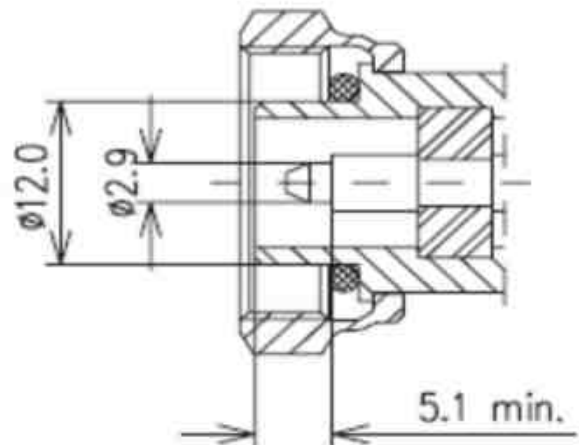
Above, are typical characteristics of 4.1/9.5 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE

**Jack (female)**



**Plug (male)**




# FLEXIBLE CABLE CONNECTORS

## STRAIGHT PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
682011	4.1/9.5 m for RG 8-9-115-213-214		
682085	4.1/9.5 m for RG 5-212		


## RIGHT ANGLE 90° PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
682411 	4.1/9.5 m for RG 8-9-115-213-214		2
682456	4.1/9.5 m for RG 58-141-142-223-303		
682485	4.1/9.5 m for RG 5-212		

## STRAIGHT JACKS (F) SOLDERED




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
681011 	4.1/9.5 f for RG 8-9-115-213-214		3

## CORRUGATED CABLE CONNECTORS

### STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
682012 	4.1/9.5 m for 1/2" foam		1
682012H	4.1/9.5 m for 1/2" superflex		

### RIGHT ANGLE 90° PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
682412	4.1/9.5 m for 1/2" foam		
682412H	4.1/9.5 m for 1/2" superflex		

## SEMIRIGID CABLE CONNECTORS

### STRAIGHT PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
682036	4.1/9.5 m for UT.141		

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
681525	4.1/9.5 f solder contact	flange 25,4x25,4	

## ADAPTERS 4.1/9.5 - 4.1/9.5




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6813681	4.1/9.5 f - 4.1/9.5 f		
6823681	4.1/9.5 m - 4.1/9.5 f		
6823682	4.1/9.5 m - 4.1/9.5 m		
6824681	4.1/9.5 m - 4.1/9.5 f	right angle 90°	4

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT

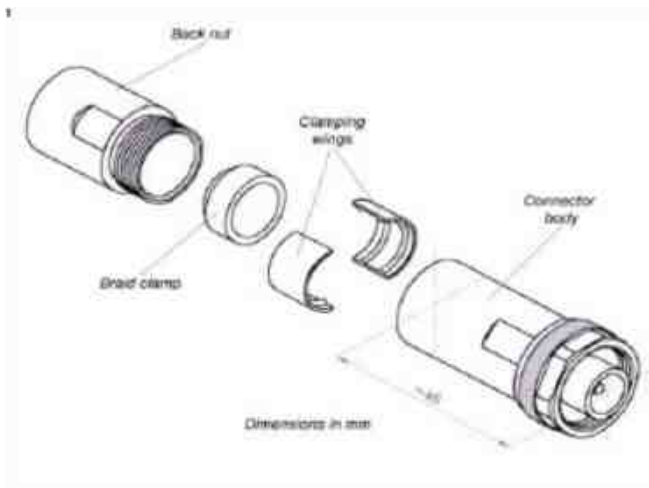


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC6810	Short 4.1/9.5 f		
CC6820 	Short 4.1/9.5 m		

## PROTECTIVE CAPS

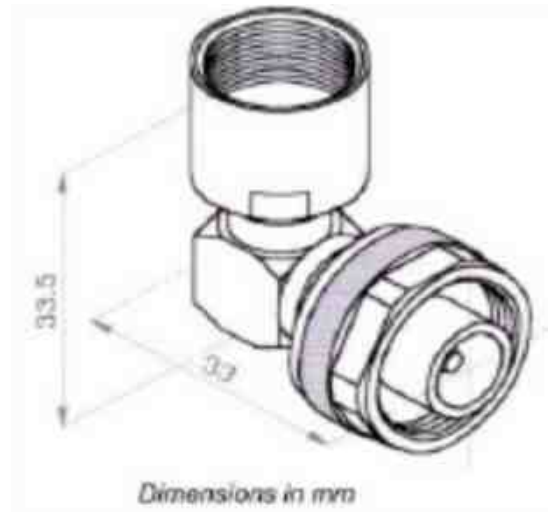
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T6810	Protective cap for 4.1/9.5 m		
T6820	Protective cap for 4.1/9.5 f		

**DRAWINGS 4.1/9.5**



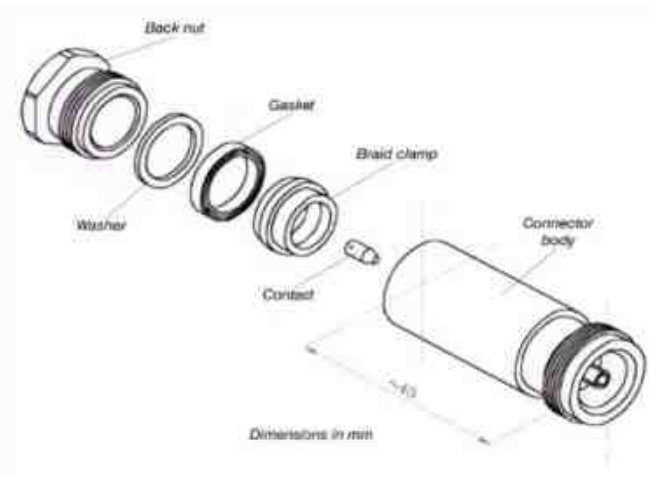
**Fig.1**

**P/N 682012**



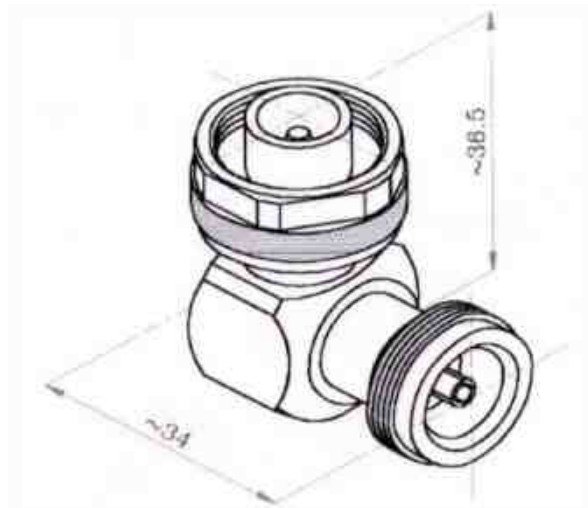
**P/N 682411**

**Fig.2**



**Fig.3**

**P/N 681011**



**P/N 6824681**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

# 4.6/16

## COAXIAL CONNECTORS 75 $\Omega$

## TECHNICAL INFORMATIONS 4.6/16

		notes
Frequency range	DC ÷ 500 MHz	
Impedance	75 Ω	
VSWR :	1.10 MAX	
Insulation	$\geq 10 * 10^3 \text{ M}\Omega$	
Contact resistance	centre $\leq 0.4 \text{ m}\Omega$	
	outer $\leq 1.5 \text{ m}\Omega$	
Dielectric	5kV rms 50Hz	depending on cable
Temperature range	-65°C ÷ +155°C	

Above, are typical characteristics of 4.6/16 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

### INTERFACE



## FLEXIBLE CABLE CONNECTORS

### STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
692011	4.6/16 m for RG 11-13-216		

### STRAIGHT JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
691011	4.6/16 f for RG 11-13-216		

### RIGHT ANGLE 90° JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
691411	4.6/16 f for RG 11-13-216		

### STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
691611	4.6/16 f for RG 11-13-216	flange 32x32	

# CORRUGATED CABLE CONNECTORS

## STRAIGHT PLUGS (M)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6920127	4.6/16 m for 1/2" foam 75 Ω		
6920587	4.6/16 m for 5/8" air 75 Ω		
6920787	4.6/16 m for 7/8" foam 75 Ω		
6920127A	4.6/16 m for 1/2" air 75 Ω		
6920147H	4.6/16 m for 1/4" superflex 75 Ω		
6920157A	4.6/16 m for 1"5/8 air 75 Ω		
6920787A	4.6/16 m for 7/8" air 75 Ω		

## STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6910127	4.6/16 f for 1/2" foam 75 Ω		
6910587	4.6/16 f for 5/8" air 75 Ω		
6910787	4.6/16 f for 7/8" foam 75 Ω		
6910127A	4.6/16 f for 1/2" air 75 Ω		
6910787A	4.6/16 f for 7/8" air 75 Ω		

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
691500	4.6/16 f solder contact	flange 32x32	

## ADAPTERS 4.6/16 - 4.6/16

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6913691	4.6/16 f - 4.6/16 f		
6923692	4.6/16 m - 4.6/16 m		

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC6910	Short 4.6/16 f		
CC6920	Short 4.6/16 m		

## PROTECTIVE CAPS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T6910	Protective cap for 4.6/16 m		
T6920	Protective cap for 4.6/16 f		

# DIN 7/16

COAXIAL CONNECTORS 50  $\Omega$



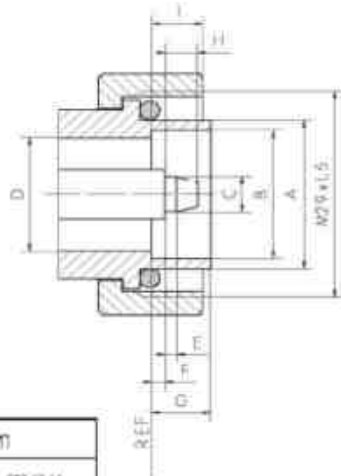
# TECHNICAL INFORMATIONS DIN 7/16

		notes
Frequency range	DC÷7 GHz	
Impedance	50 Ω	
VSWR :	1.25 MAX	
Insulation	$\geq 1 * 10^4$ MΩ	
Contact resistance	centre $\leq 0.4$ mΩ	
	outer $\leq 1.5$ mΩ	
Dielectric	4.0 kV rms 50Hz	depending on cable
Temperature range	-55°C ÷ +155°C	
Thermal shock	CECC 22190 para 4.6.5 55/155/56	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration	CECC 22190 para 4.6.3 IEC-68-2-6 Fc	

Above, are typical characteristics of 7/16 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

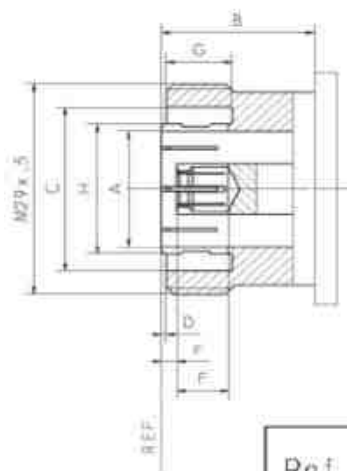
## INTERFACE

**Plug (male)**



Ref.	mm	
	min.	max.
A	20.6	21.4
B	18.03	18.21
C	4.96	5.04
D	16.85	16.25
E	1.4	1.6
F	1.47	1.77
G	7.00	8.00
H	-	4.5
I	7.00	9.00

**Jack (female)**



Ref.	mm	
	min.	max.
A	15.85	16.25
B	10	-
C	22.1	22.9
D	0.5	0.7
E	1.77	2.07
F	5	-
G	8.1	-
H	-	18.5

# FLEXIBLE CABLE CONNECTORS

## STRAIGHT PLUGS (M) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702011	DIN 7/16 m for RG 8-9-115-213-214		8
702012HFX	DIN 7/16 m for 1/2" flex no corrugated		47
702022	DIN 7/16 m for RG 17-218		13

## RIGHT ANGLE 90° PLUGS (M) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702411	DIN 7/16 m for RG 8-115-213-214		33
702422	DIN 7/16 m for RG 17-218		40




## STRAIGHT PLUGS (M) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702011TP	DIN 7/16 m for RG 8-9-115-213		9
702011TPDS	DIN 7/16 m for RG 214		


## RIGHT ANGLE 90° PLUGS (M) CRIMP



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702411TP 	DIN 7/16 m for RG 8-9-115-213-214		34

## STRAIGHT JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701011 	DIN 7/16 f for RG 8-9-115-213-214		1
701022	DIN 7/16 f for RG 17-218		

## STRAIGHT JACKS (F) CRIMP

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701011TP	DIN 7/16 f for RG 8-9-115-213		
701011TPDS	DIN 7/16 f for RG 214		


## RIGHT ANGLE 90° JACKS (F) SOLDERED

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701411	DIN 7/16 f for RG 8-9-115-213-214		




## STRAIGHT PANEL JACKS (F) SOLDERED



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701611 	DIN 7/16 f for RG 8-213-214	flange 32x32	6

## STRAIGHT PANEL JACKS (F) CRIMP




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701611TP 	DIN 7/16 f for RG 8-9-115-213	flange 32x32	25
701611TPDS	DIN 7/16 f for RG 214	flange 32x32	

# CORRUGATED CABLE CONNECTORS


## STRAIGHT PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702013	DIN 7/16 m for 3/8" foam		48
702014	DIN 7/16 m for 1/4" foam	waterproof	30
702038	DIN 7/16 m for 3/8" air		14
702058	DIN 7/16 m for 5/8" air		
702012H	DIN 7/16 m for 1/2" superflex		10
702012HS	DIN 7/16 m for 1/2" superflex	solder with station 500 watts	
702012RP 	DIN 7/16 m for 1/2" foam	quick coupling	11
702013H	DIN 7/16 m for 3/8" superflex		
702015A	DIN 7/16 m for 1"5/8 air		
702015RP	DIN 7/16 m for 1"5/8 foam		12
702024R	DIN 7/16 m for 1"1/4 radiaflex		31
702078A	DIN 7/16 m for 7/8" air		16
702078R	DIN 7/16 m for 7/8" radiaflex		41
702078RP	DIN 7/16 m for 7/8" foam		15


## RIGHT ANGLE 90° PLUGS (M)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702412H	DIN 7/16 m for 1/2" superflex		17
702412HS	DIN 7/16 m for 1/2" superflex	solder with station 500 watts	
702412RP 	DIN 7/16 m for 1/2" foam	quick coupling	35


## STRAIGHT JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701012	DIN 7/16 f for 1/2" foam		2
701014	DIN 7/16 f for 1/4" foam		45
701078	DIN 7/16 f for 7/8" foam		4
701012H	DIN 7/16 f for 1/2" superflex		
701012HS	DIN 7/16 f for 1/2" superflex	solder with station 500 watts	18
701012RP 	DIN 7/16 f for 1/2" foam	quick coupling	3
701024R	DIN 7/16 f for 1"1/4 radiaflex		19
701078A	DIN 7/16 f for 7/8" air		5
701078RP	DIN 7/16 f for 7/8" foam	quick coupling	20
701092R	DIN 7/16 f for 6/8" radiaflex	quick coupling	46

## STRAIGHT PANEL JACKS (F)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701612	DIN 7/16 f for 1/2" foam	flange 32 x 32	26
701614	DIN 7/16 f for 1/4" foam	flange 32 x 32	43
701638 	DIN 7/16 f for 3/8" air	flange 32 x 32	42
701678	DIN 7/16 f for 7/8" foam	flange 32 x 32	29


## RIGHT ANGLE 90° JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701412	DIN 7/16 f per 1/2" foam		
701412H	DIN 7/16 f for 1/2" superflex		

## SEMIRIGID CABLE CONNECTORS

### STRAIGHT PANEL JACKS (F)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701636 	DIN 7/16 f for UT.141	flange 32x32	
701665	DIN 7/16 f for UT.250	flange 32x32	
701836	DIN 7/16 f for UT.141	bulkhead	

## RECEPTACLES WITH SOLDER END

### STRAIGHT PANEL JACKS (F)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701532	DIN 7/16 f solder contact	flange 32x32 waterproof	22
701532BD 	DIN 7/16 f Bird contact	flange 31.7x31.7	23
701532CF ...*	DIN 7/16 f threaded contact M5	flange 32x32 waterproof	24

...\* length threaded contact, on request

example : 701500CF36=threaded contact mm 36

## STRAIGHT PANEL PLUGS (M)




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
702532BD 	DIN 7/16 m Bird contact	flange 32x32	36
702532CF14	DIN 7/16 m threaded contact 14 mm *	flange 32x32	

...\* length threaded contact, on request

## RIGHT ANGLE 90° JACKS (F)







<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
701432BD 	DIN 7/16 f Bird contact	flange 31,7 x 31,7	
701432CF	DIN 7/16 f threaded contact M5	flange 32x32	21

...\* length threaded contact, on request

## **ADAPTERS DIN 7/16 - DIN 7/16**



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
7013701 	DIN 7/16 f - DIN 7/16 f		39
7017701 	DIN 7/16 f - DIN 7/16 f panel mount	bulkhead	
7023701	DIN 7/16 m - DIN 7/16 f		7
7023702 	DIN 7/16 m - DIN 7/16 m		32
7024701 	DIN 7/16 m L DIN 7/16 f	right angle 90°	28

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC7010	Short DIN 7/16 f		
CC7020	Short DIN 7/16 m		

## PROTECTIVE CAPS




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
T7010	Protective cap for DIN 7/16 m		27
T7020	Protective cap for DIN 7/16 f		

## CORRUGATED CABLE 7/16 FLANGES


### STRAIGHT FLANGE



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
740012	DIN 7/16 Flange for 1/2" foam		
740038	DIN 7/16 Flange for 3/8" air		37
740078	DIN 7/16 Flange for 7/8" foam		
740015A	DIN 7/16 Flange for 1"5/8 air		
740078A 	DIN 7/16 Flange for 7/8" air		38

### RIGHT ANGLE 90° FLANGE




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
740438	DIN 7/16 Flange for 3/8" air		
740415A	DIN 7/16 Flange for 1"5/8 air		
740478A 	DIN 7/16 Flange for 7/8" air		

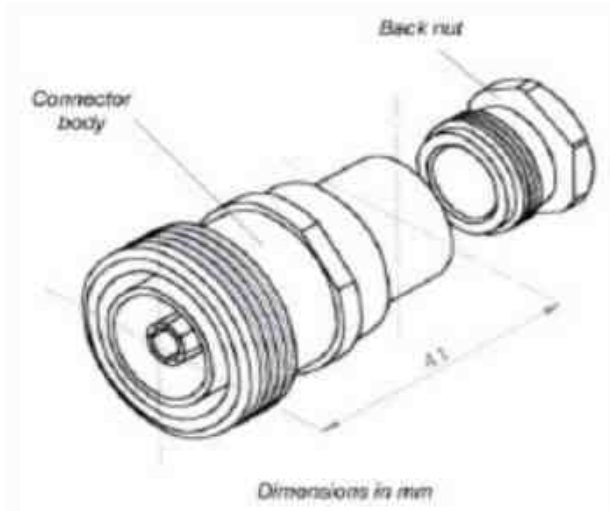
## CORRUGATED CABLE UER FLANGES

### STRAIGHT FLANGE



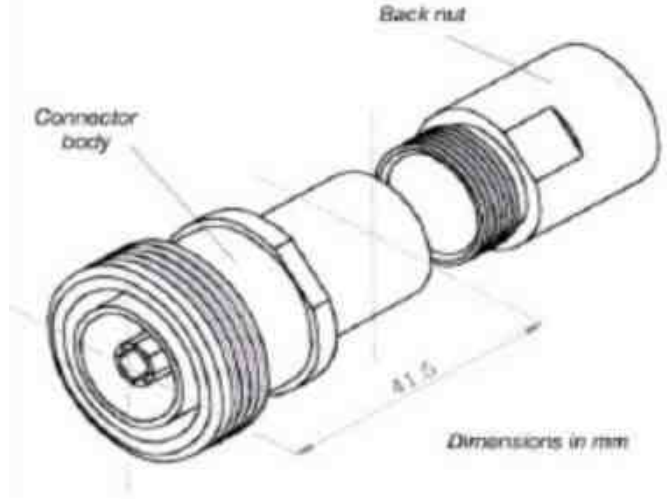
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UER702012H	UER Flange for 1/2" superflex		
UER702412H	UER Flange for 1/2" superflex	right angle 90°	
UER702038 	UER Flange for 3/8" air		44

# DRAWINGS 7/16



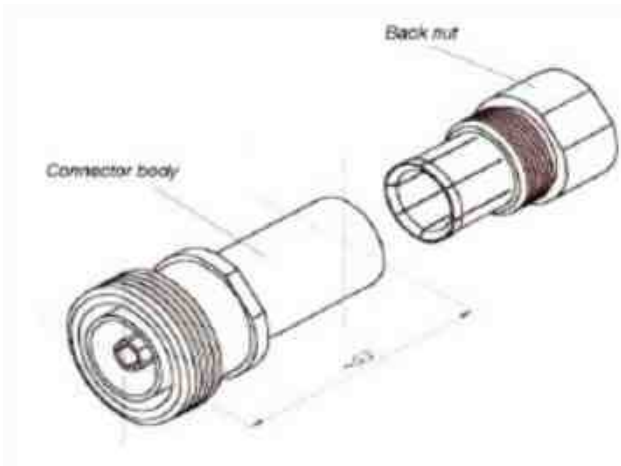
**Fig.1**

**P/N 701011**



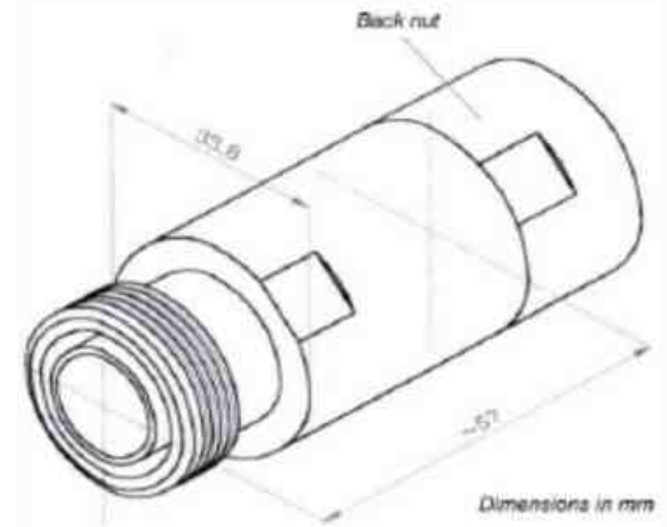
**P/N 701012**

**Fig.2**



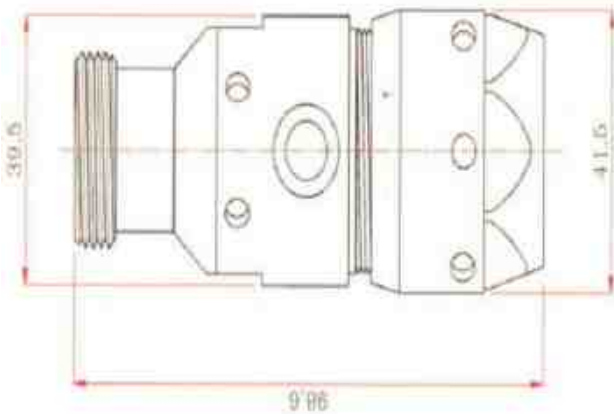
**Fig.3**

**P/N 701012RP**



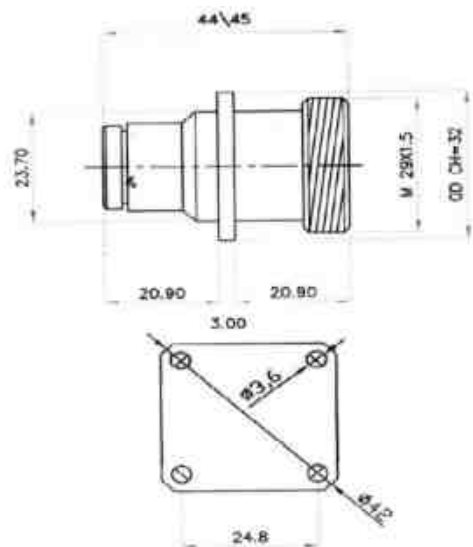
**P/N 701078**

**Fig.4**



**Fig.5**

**P/N 701078A**



**P/N 701611**

**Fig.6**



# DRAWINGS 7/16

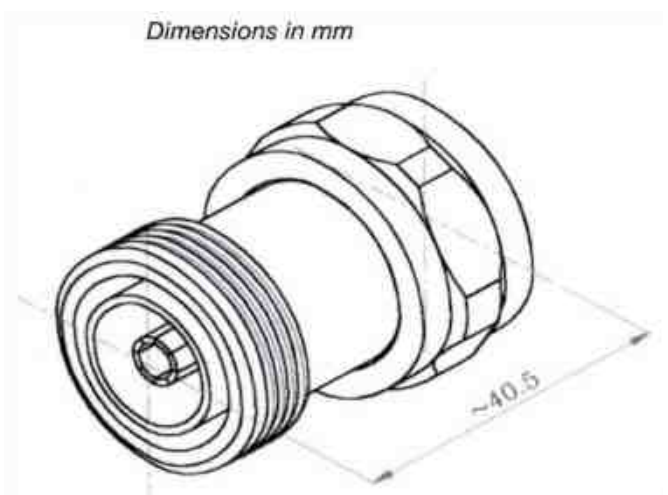


Fig.7

P/N 7023701

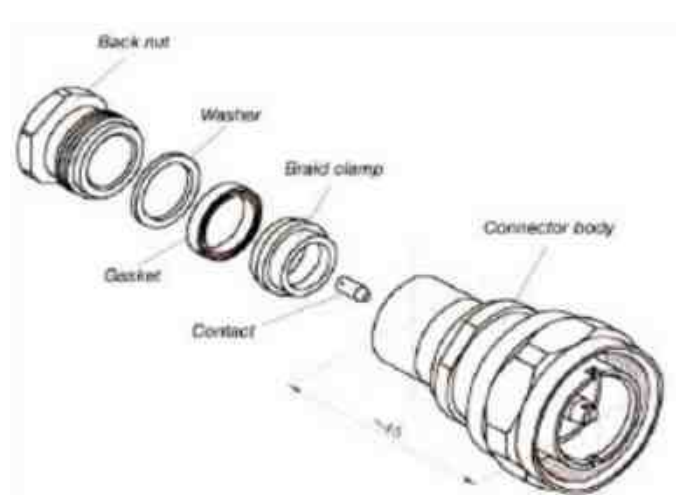


Fig.8

P/N 702011

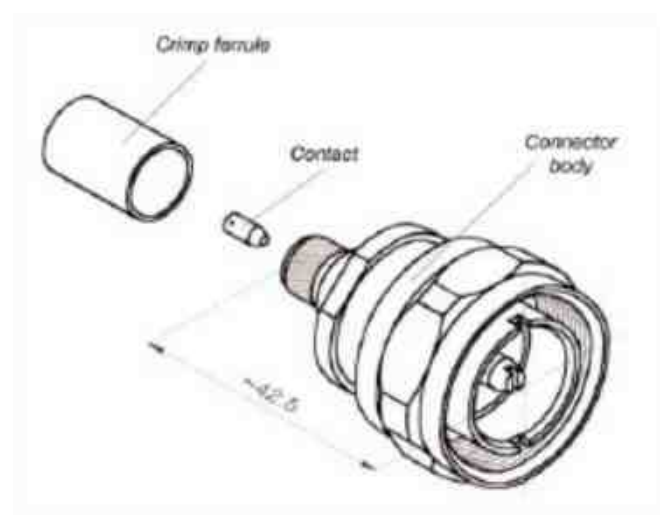


Fig.9

P/N 702011TP

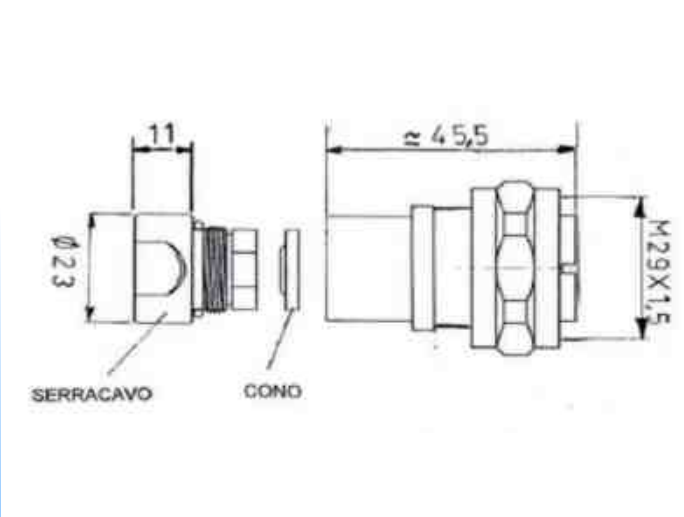


Fig.10

P/N 702012H

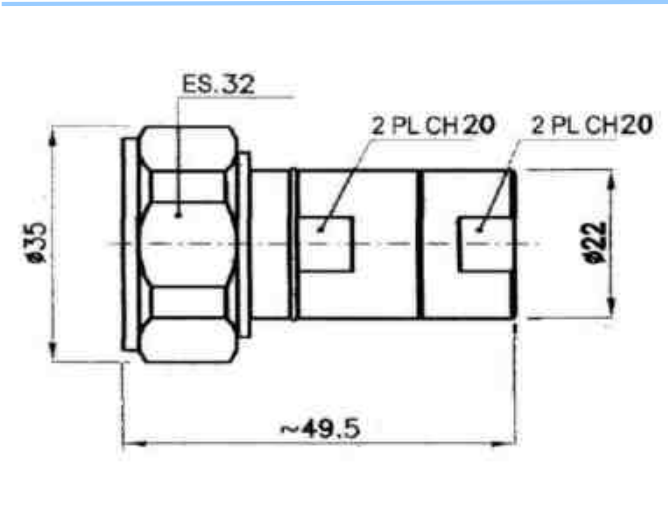


Fig.11

P/N 702012RP

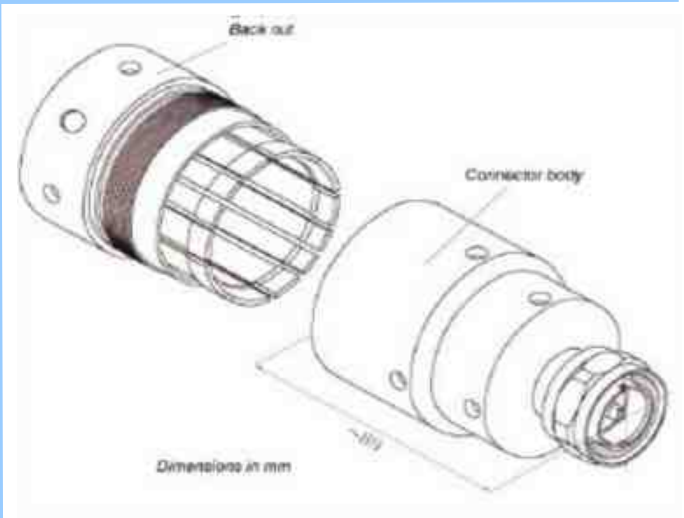


Fig.12

P/N 702015RP

# DRAWINGS 7/16

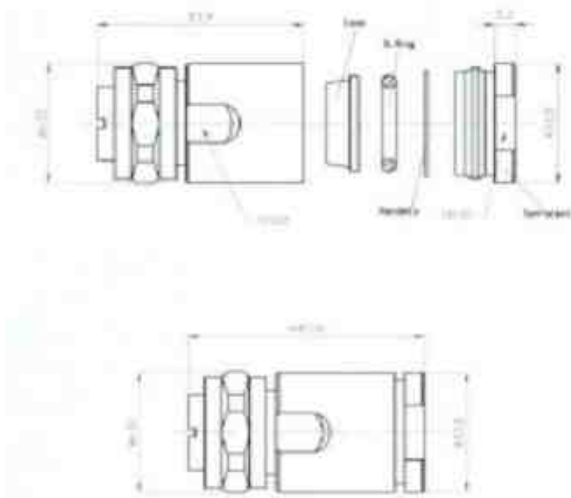
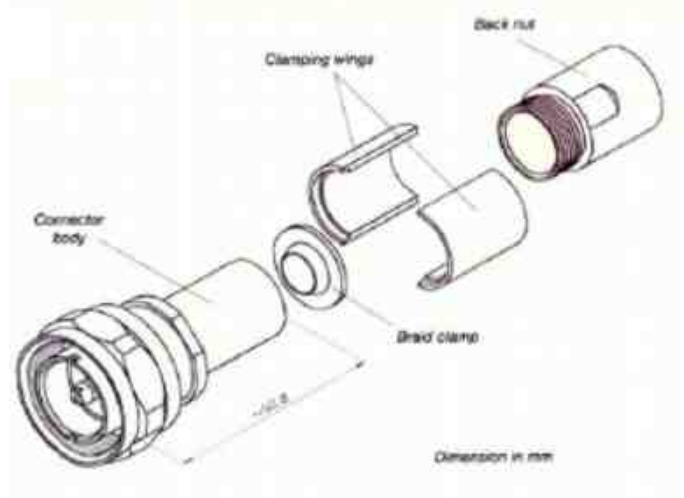


Fig.13

P/N 702022



P/N 702038

Fig.14

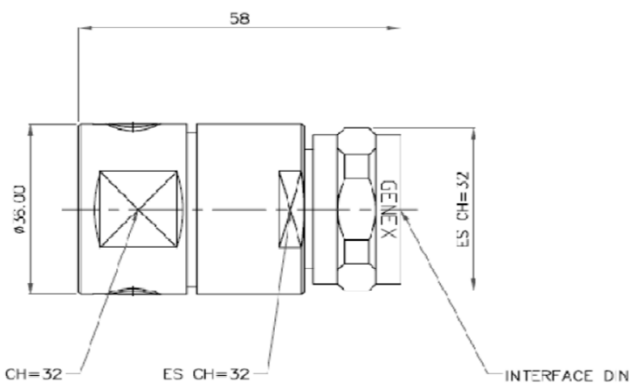
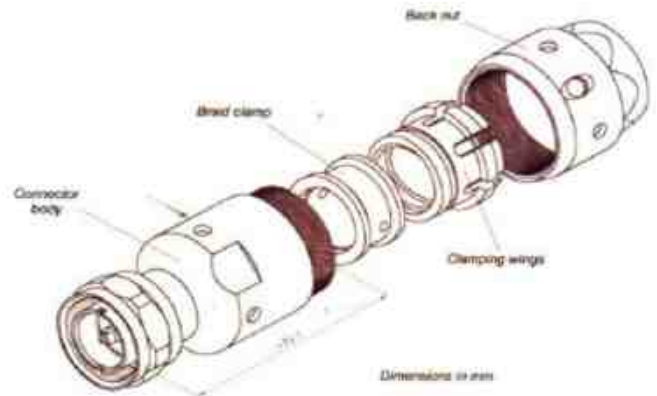


Fig.15

P/N 702078RP



P/N 702078A

Fig.16

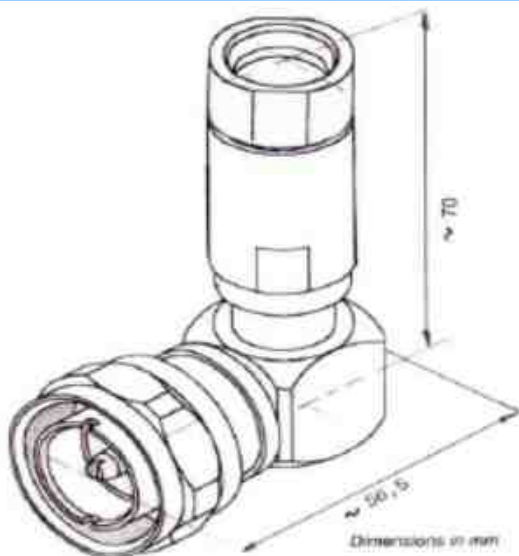
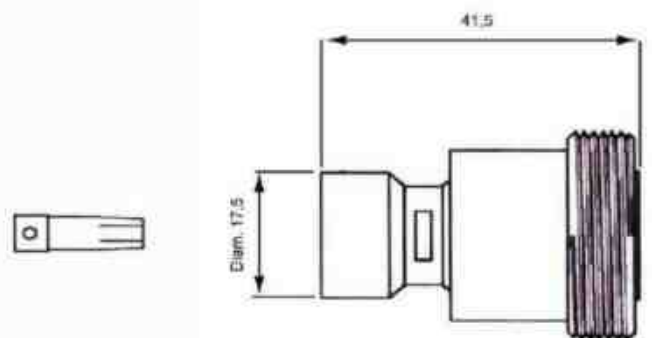


Fig.17

P/N 702412H



P/N 701012HS

Fig.18

# DRAWINGS 7/16

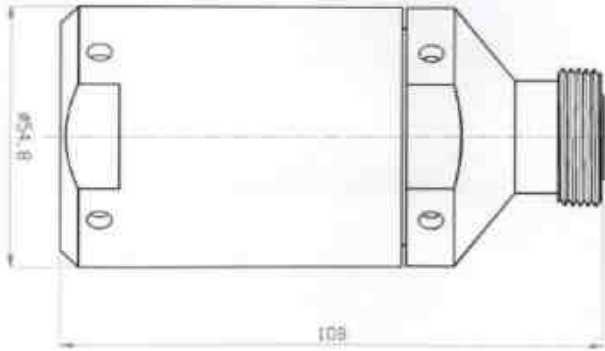
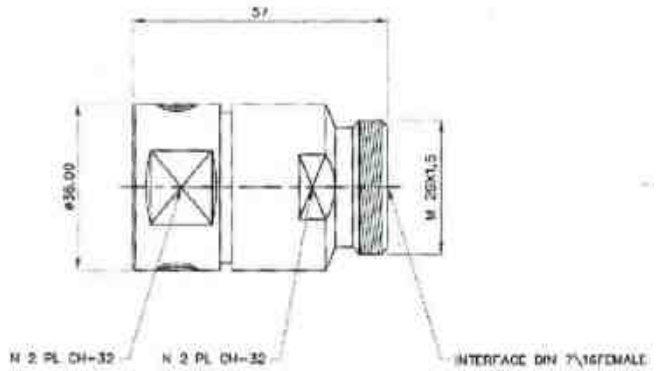


Fig.19

P/N 701024R



P/N 701078RP

Fig.20

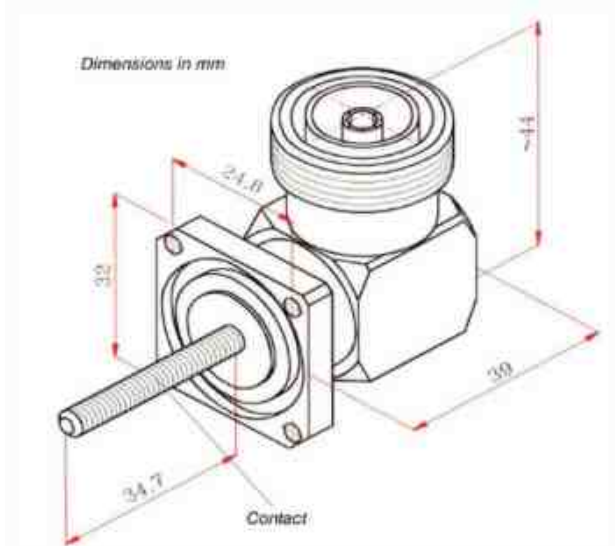
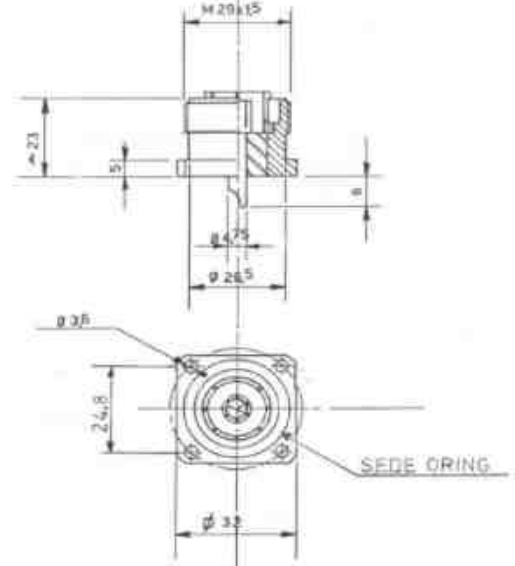


Fig.21

P/N 701432CF



P/N 701532

Fig.22

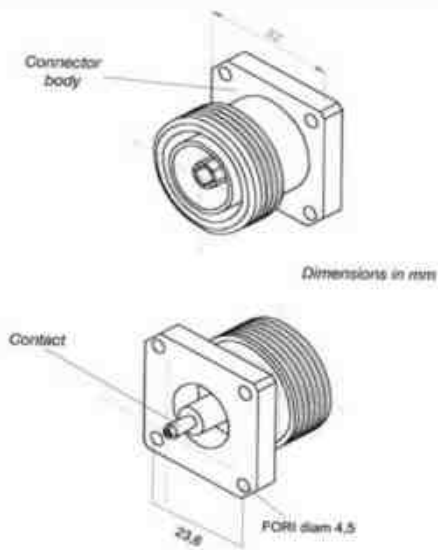
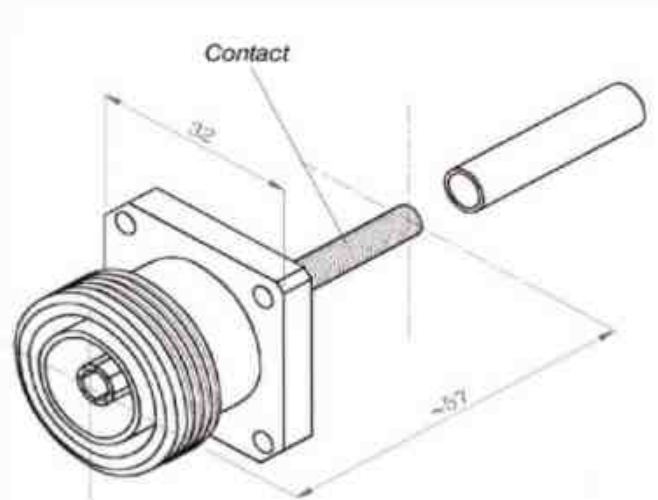


Fig.23

P/N 701532BD



P/N 701532CF

Fig.24

# DRAWINGS 7/16

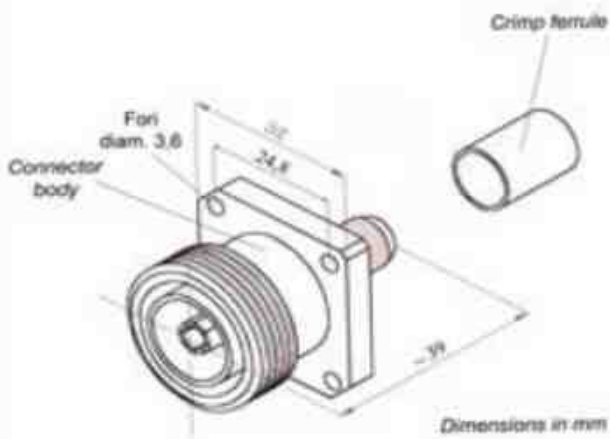
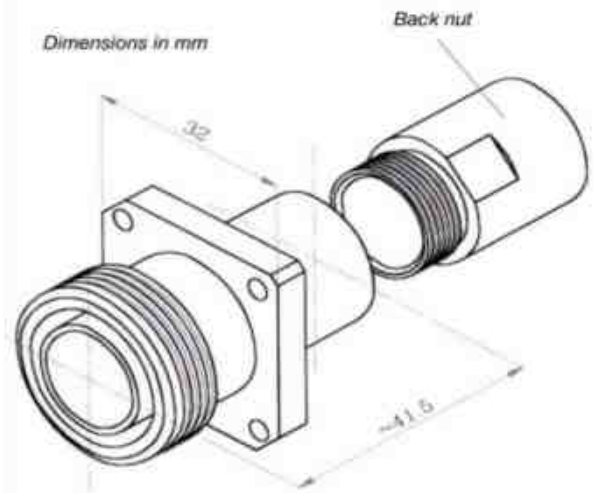


Fig.25

P/N 701611TP



P/N 701612

Fig.26

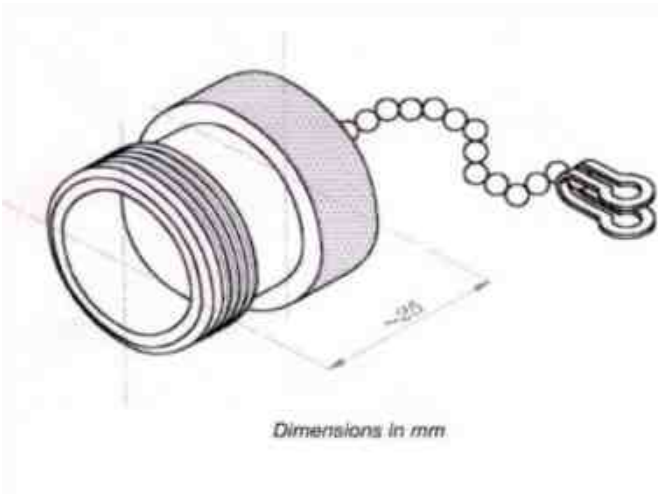
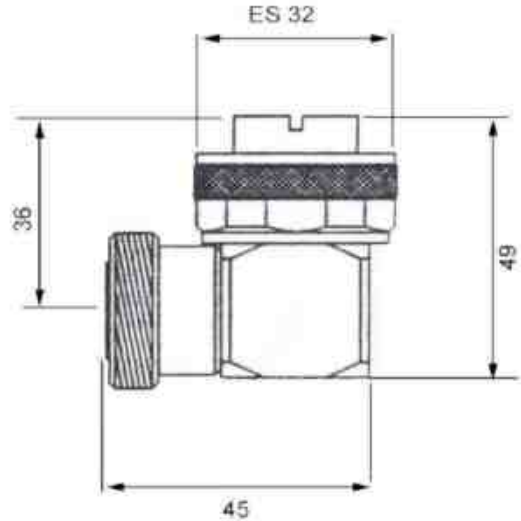


Fig.27

P/N T7010



P/N 7024701

Fig.28

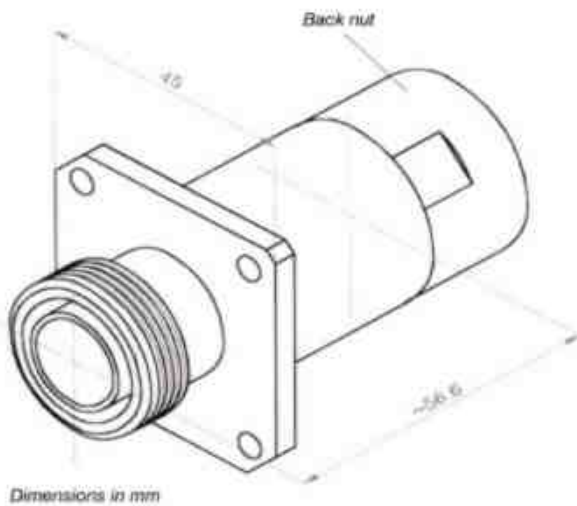
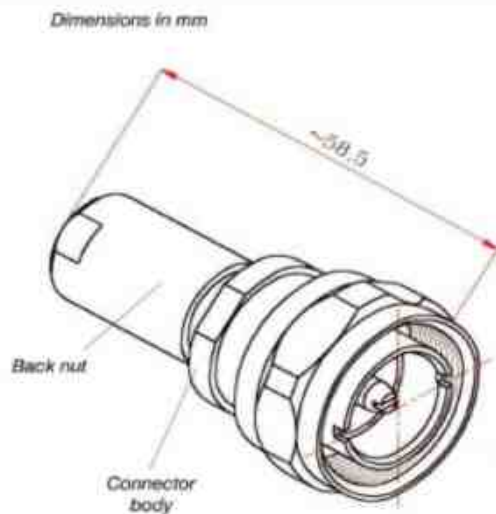


Fig.29

P/N 701678



P/N 702014

Fig.30

# DRAWINGS 7/16

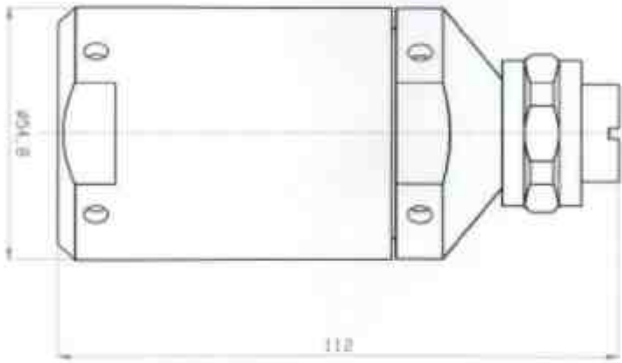
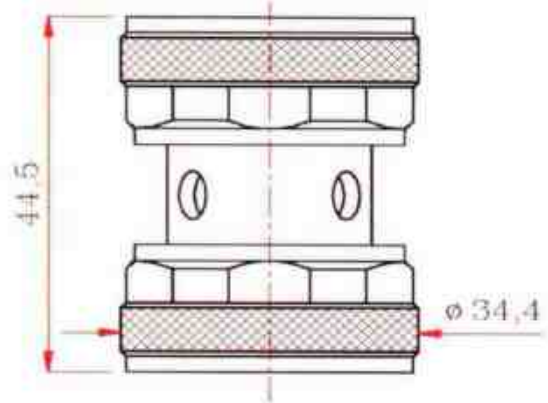


Fig.31

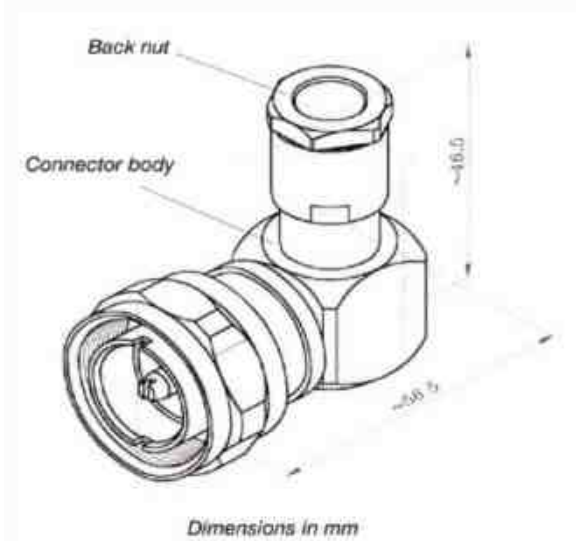
P/N 702024R



Dimensions in mm

P/N 7023702

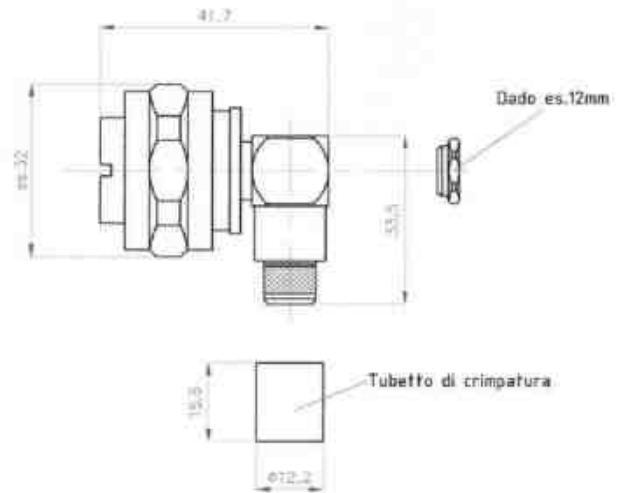
Fig.32



Dimensions in mm

Fig.33

P/N 702411



P/N 702411TP

Fig.34

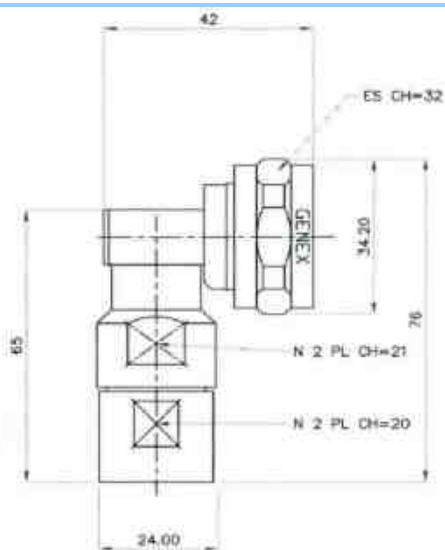
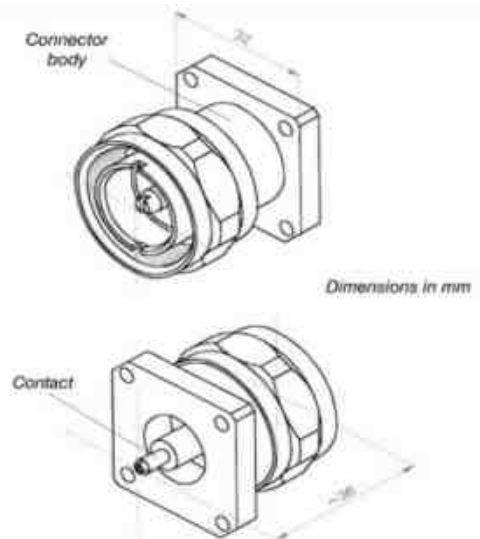


Fig.35

P/N 702412RP



P/N 702532BD

Fig.36



# DRAWINGS 7/16

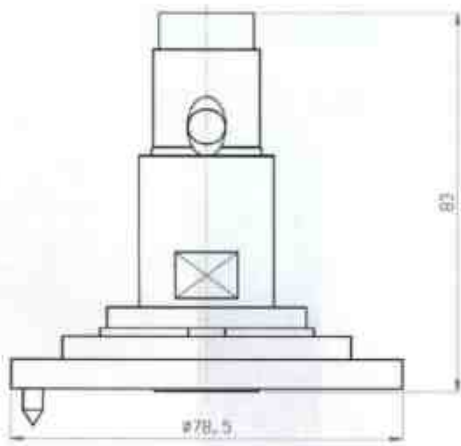


Fig.37

P/N 740038

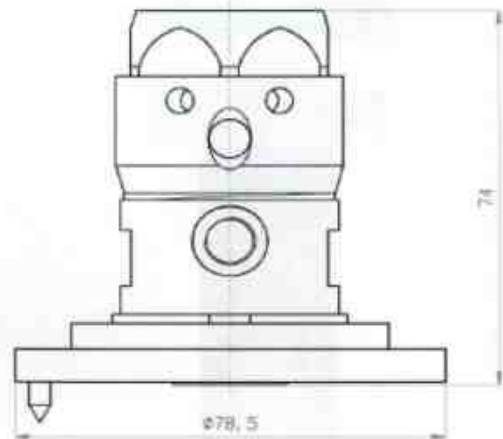


Fig.38

P/N 740078A

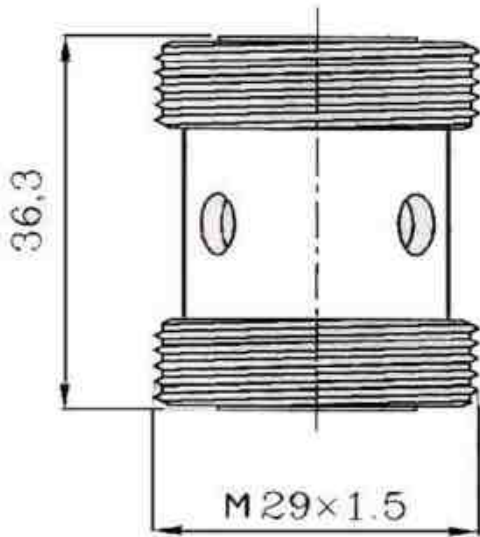
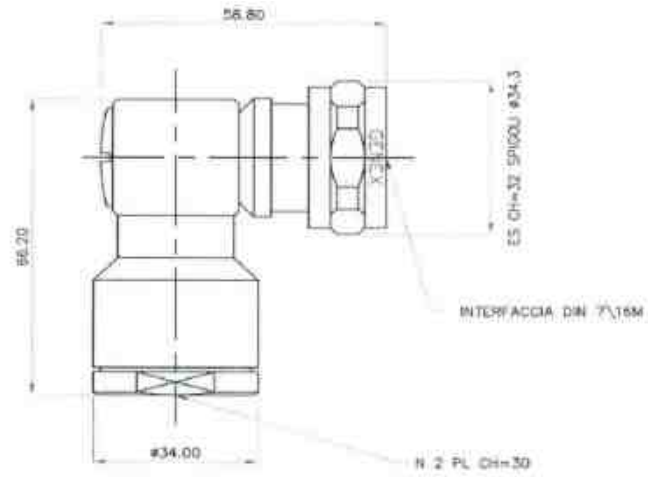


Fig.39

P/N 7013701



P/N 702422

Fig.40

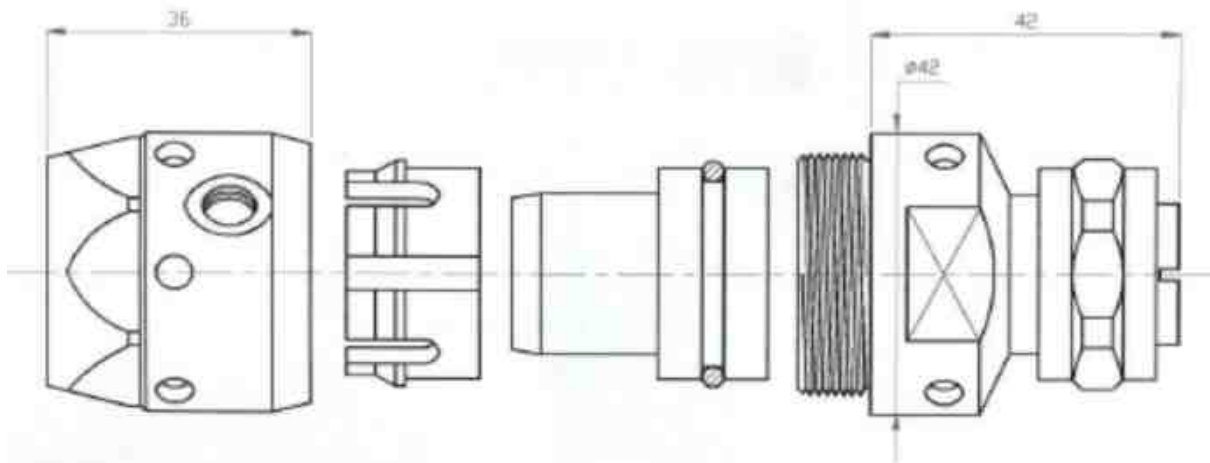


Fig.41

P/N 702078R

# DRAWINGS 7/16

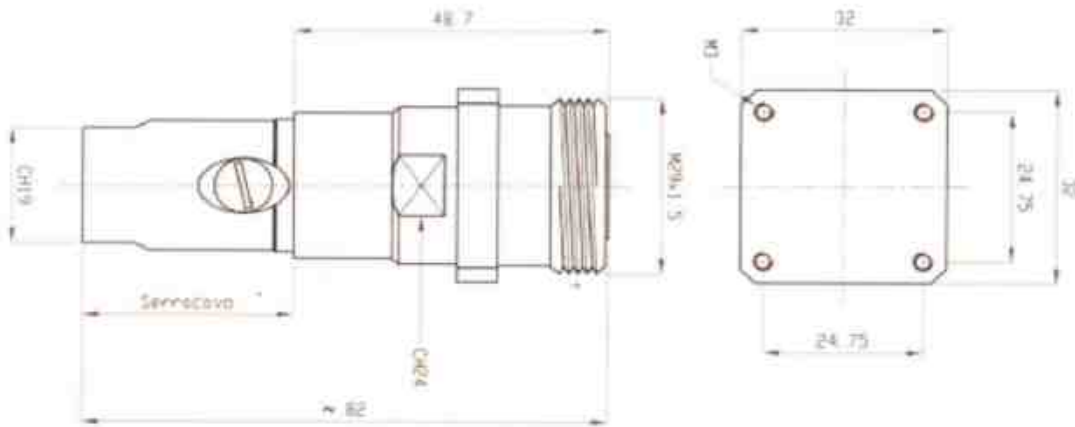


Fig.42

P/N 701638

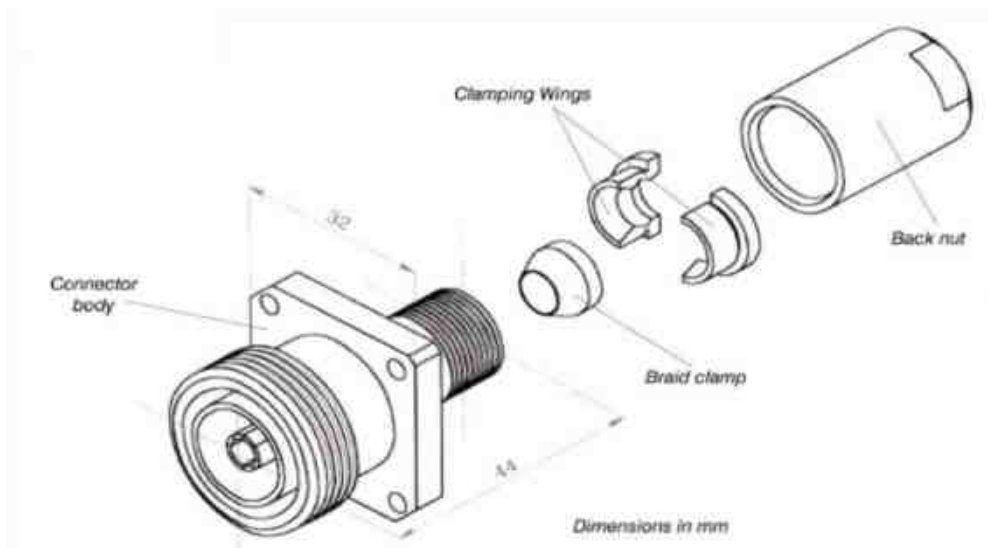


Fig.43

P/N 701614

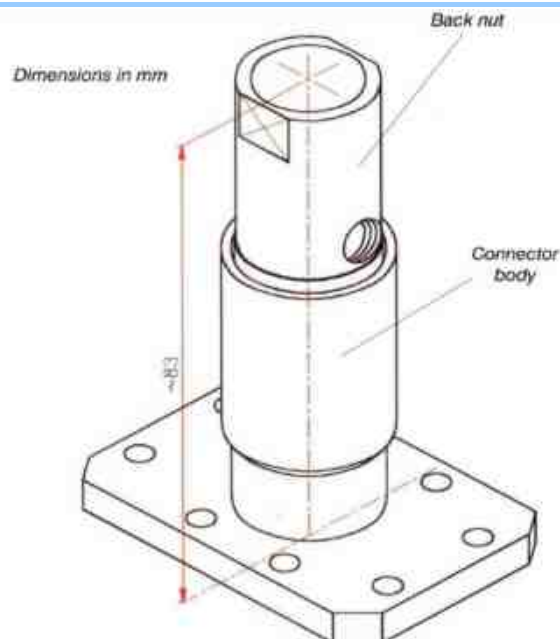
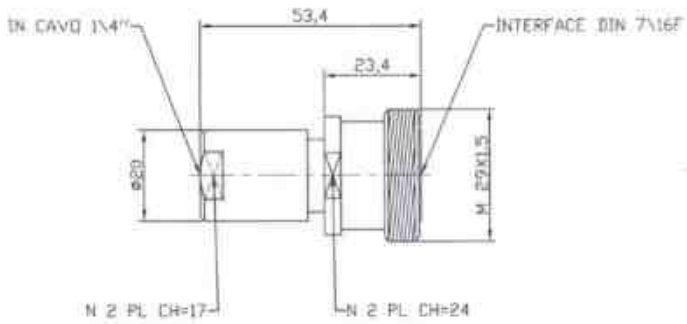


Fig.44

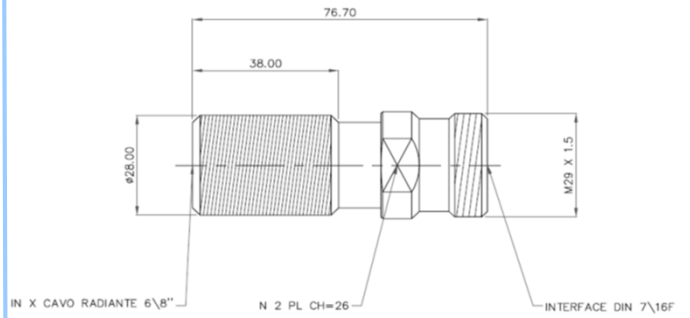
P/N UER702038

# DRAWINGS 7/16



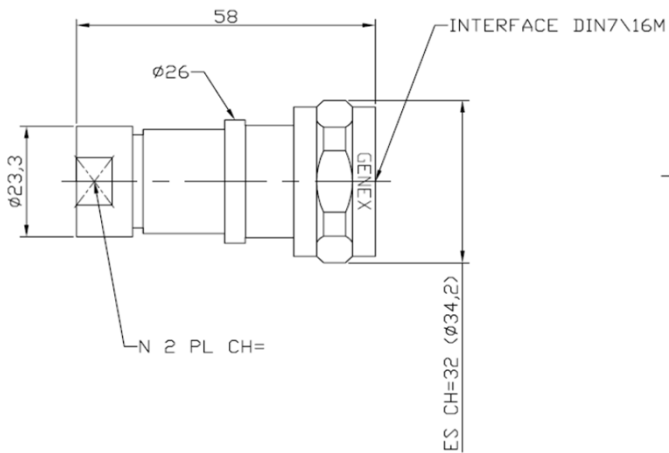
**Fig.45**

**P/N 701014**



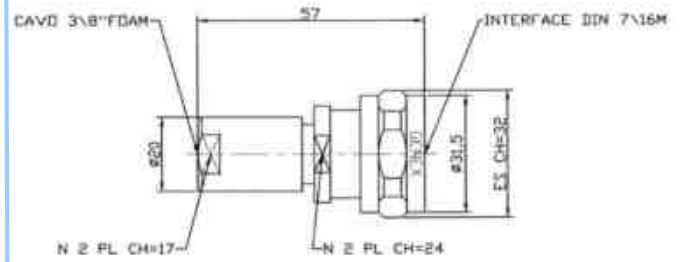
**P/N 701092R**

**Fig.46**



**Fig.47**

**P/N 702012HFX**



**P/N 702013**

**Fig.48**

**Fig.49**

**P/N**

**P/N**

**Fig.50**



# 13/30

## COAXIAL CONNECTORS 50 $\Omega$



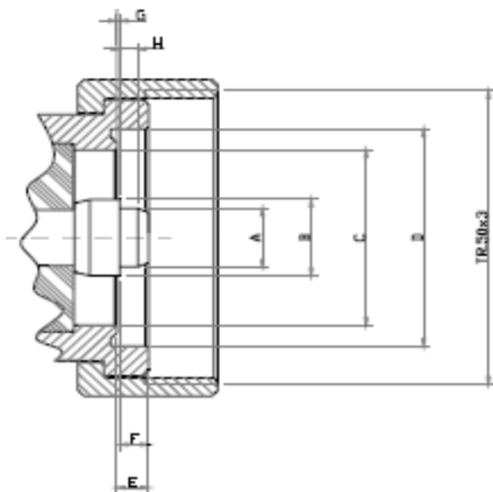
# TECHNICAL INFORMATIONS 13/30

		notes
Frequency range	DC ÷ 2 GHz	
Impedance	50 Ω	
Insulation	≥ 1 * 10 <sup>4</sup> MΩ	
VSWR :	1.20 MAX	
Temperature range	-65°C ÷ +105°C	

Above, are typical characteristics of 13/30 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

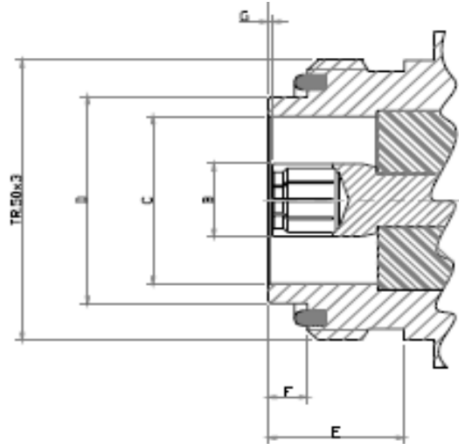
## INTERFACE 13/30M50

**Plug (male)**



QUOTA	MIN	MAX
A	9.964	10.0
B	12.9	13.1
C	29.79	30.01
D	37.08	37.14
E	4.95	5.15
F	-	5.0
G	0.3	0.6
H	2.5	3.1

**Jack (female)**



QUOTA	MIN	MAX
B	12.9	13.1
C	29.79	30.01
D	36.94	37.0
E	17.00	-
F	5.9	6.9
G	0.6	0.9

## CORRUGATED CABLES 13/30 SIEMENS

### MALE BODY - FEMALE CONTACT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
711078	13/30 female contact for 7/8" foam		

### FEMALE BODY - MALE CONTACT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
712078	13/30 male contact for 7/8" foam		

## ADAPTERS 13/30 SIEMENS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
712378	13/30 male contact - 7/8"		
7113302	13/30 female contact - N m		
7123701	13/30 male contact - 7/16 f		

For others combinations, see section " COAXIAL ADAPTERS"

## CORRUGATED CABLES 13/30 M50

### STRAIGHT PLUGS (M)


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
722078	13/30 m for 7/8" foam		

### STRAIGHT JACKS (F)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
721078	13/30 f for 7/8" foam		

## ADAPTERS 13/30 M50



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
722378 	13/30 m - 7/8"		

For others combinations, see section " COAXIAL ADAPTERS"

25/58

## COAXIAL CONNECTORS 50 $\Omega$





## TECHNICAL INFORMATION 25/58

		notes
Frequency range	DC ÷ 1 GHz	
Impedance	50 Ω	
VSWR :	1.15 MAX	

Above, are typical characteristics of 25/58 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

### INTERFACE

## CORRUGATED CABLE CONNECTORS

### MALE BODY - FEMALE CONTACT

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
631015	25/58 female contact for 1"5/8 foam		
631015A	25/58 female contact for 1"5/8 air		
631078	25/58 female contact for 7/8" foam		

## ADAPTERS 25/58 - 25/58

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
6324632	25/58 male contact L 25/58 male contact	right angle 90°	

For others combinations, see section " COAXIAL ADAPTERS"



# EIA 7/8"

EIA FLANGE 50  $\Omega$



Every time a custom component is designed, its realization is framed in a perspective of serial production.



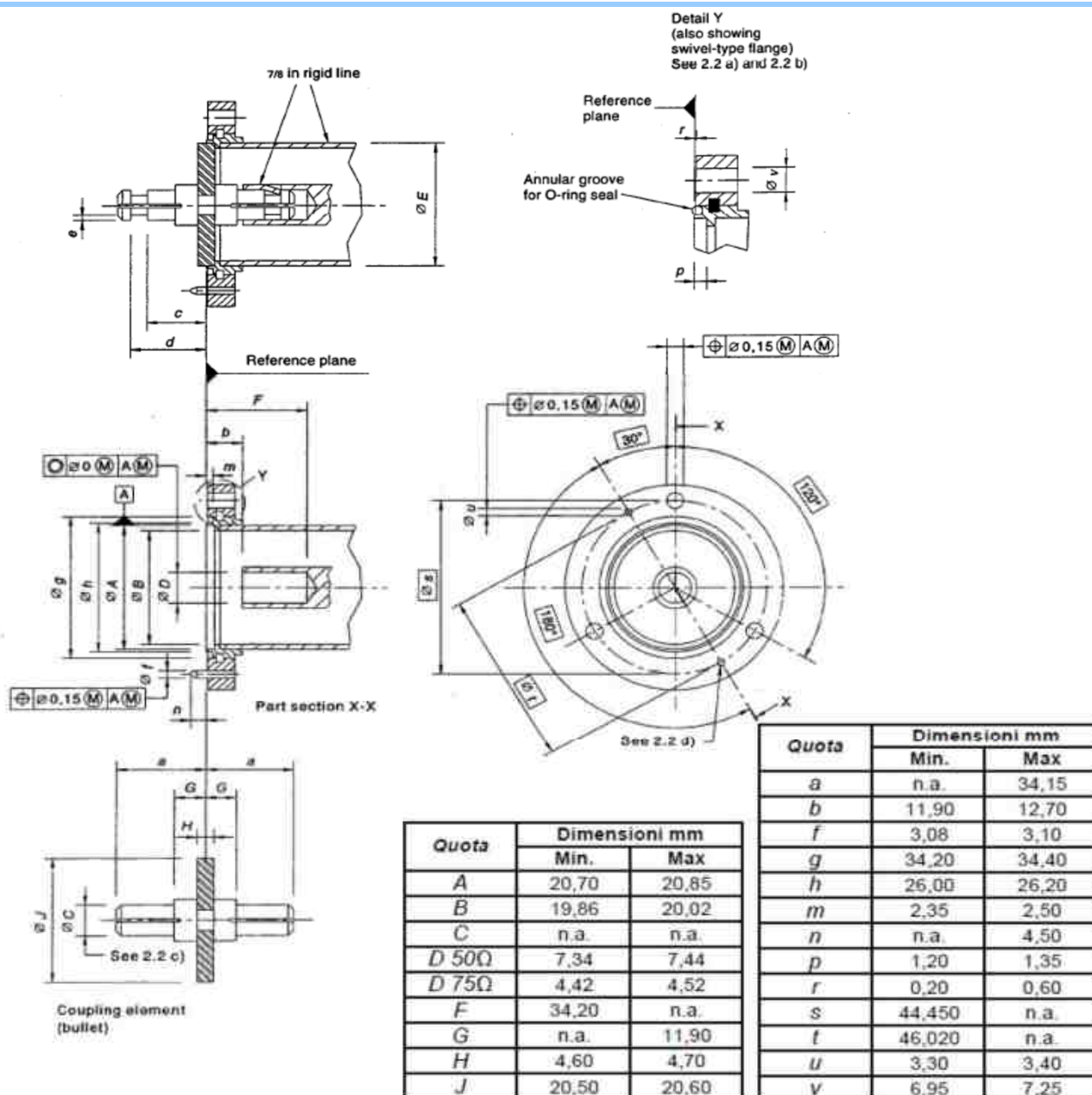
# TECHNICAL INFORMATIONS EIA 7/8"

notes

Frequency range	DC ÷ 5 GHz
Impedance	50 Ω
VSWR :	1.20 MAX
Insulation	$\geq 5 \cdot 10^3$ MΩ
Contact resistance	centre $\leq 0.25$ mΩ
	outer $\leq 0.08$ mΩ
Temperature range	-45°C ÷ +115°C

Above, are typical characteristics of 7/8" connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N


## INTERFACE



## FLEXIBLE CABLE FLANGES


### STRAIGHT FLANGE



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780011 	EIA 7/8" for RG 8-9-115-213-214		3
780012HFX	EIA 7/8" for 1/2" flex no corrugated		24
780016	EIA 7/8" for RG 14-217		
780022	EIA 7/8" for RG 17-218		9
780028	EIA 7/8" for RG 19-220		


### STRAIGHT PANEL FLANGE



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780611 	EIA 7/8" for RG 8-9-115-213-214	flange 32x32	13

## RIGID LINE FLANGES




<i>P.N. GENEX RF</i>	<i>Descrizione</i>	<i>Note</i>	<i>Fig.</i>
780032LR 	EIA 7/8" for rigid line 2"		

## CORRUGATED CABLE FLANGES

### STRAIGHT FLANGE




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780013	EIA 7/8" for 3/8" foam		
780014	EIA 7/8" for 1/4" foam		7
780018	EIA 7/8" for 1"1/8 air		
780031	EIA 7/8" for 3"1/8 air		17
780038	EIA 7/8" for 3/8" air		10
780058	EIA 7/8" for 5/8" air		
7800787	EIA 7/8" for 7/8" foam 75Ω		4
780012H	EIA 7/8" for 1/2" superflex		6
780012RP 	EIA 7/8" for 1/2" foam		5
780015A	EIA 7/8" for 1"5/8 air		8
780015RP	EIA 7/8" for 1"5/8 foam		14
780078A	EIA 7/8" for 7/8" air		12
780078LV	EIA 7/8" for 7/8" foam	precision	
780078RP	EIA 7/8" for 7/8" foam		11
782012	EIA 7/8" for 1/2" foam	inner fixed	20
782078	EIA 7/8" for 7/8" foam	inner fixed	25

### RIGHT ANGLE 90° FLANGE

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780412	EIA 7/8" for 1/2" foam		
780478A	EIA 7/8" for 7/8" air		18


## STRAIGHT PANEL FLANGE



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780612	EIA 7/8" for 1/2" foam	flange 32x32	21
780614 	EIA 7/8" for 1/4" foam	flange 32x32	

## RECEPTACLES WITH SOLDER END




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780000	EIA 7/8" solder contact	flange 32x32	1
780032BD	EIA 7/8" Bird contact	flange 31.7x31.7	2
780032CF..* 	EIA 7/8" threaded contact M5	flange 32x32	23
780432CF	EIA 7/8" angle 90° threaded contact M5	flange 32x32	

...\* length threaded contact, on request

example: 7800CF36 = threaded contact mm. 36

## ADAPTERS EIA 7/8" - EIA 7/8"



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780478 	EIA 7/8" ⊥ EIA 7/8"	right angle 90°	15
78090111	3 out EIA 7/8" ( 3 Inner supplied)	T adapters	22
780478MF	EIA 7/8" - EIA 7/8" male-female	right angle 90°	
780578FF	EIA 7/8" - EIA 7/8" panel mount	fixed flanges	19

For others combinations, see section " COAXIAL ADAPTERS"

## SHORT



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CC7800	Short EIA 7/8"		

## INNER



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780001	EIA 7/8" inner		16
780001L	EIA 7/8" inner	L = 67,3 mm	

## GAS BARRIER

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
780378GB	Gas barrier EIA 7/8"		

# DRAWINGS 7/8"

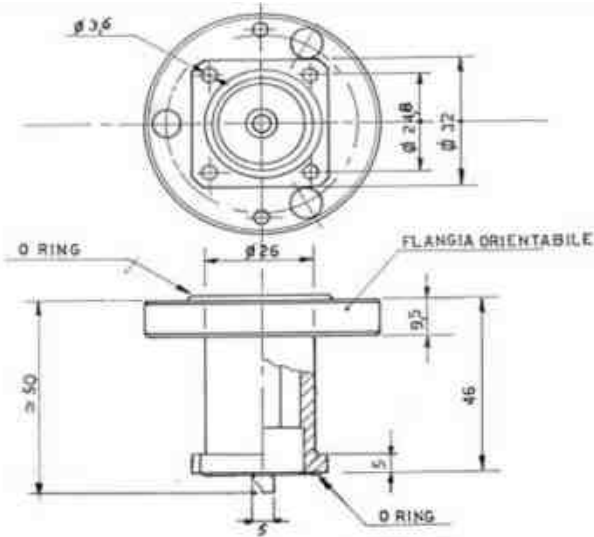
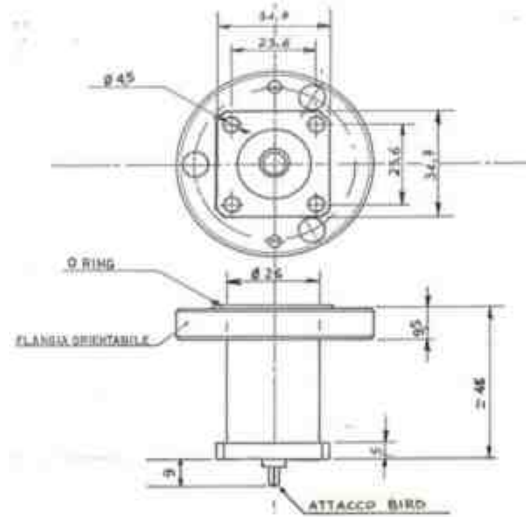


Fig.1

P/N 780000



P/N 780032BD

Fig.2

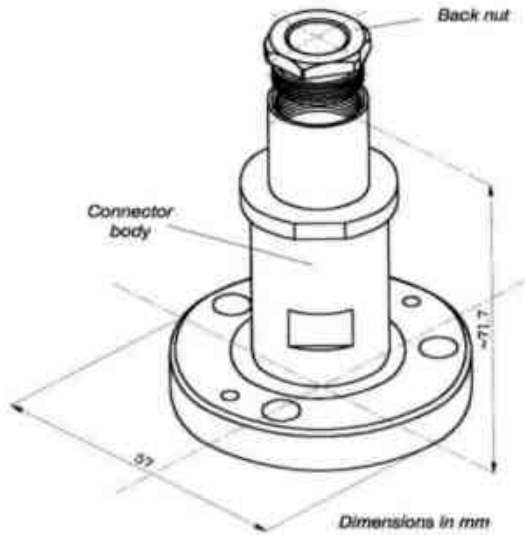
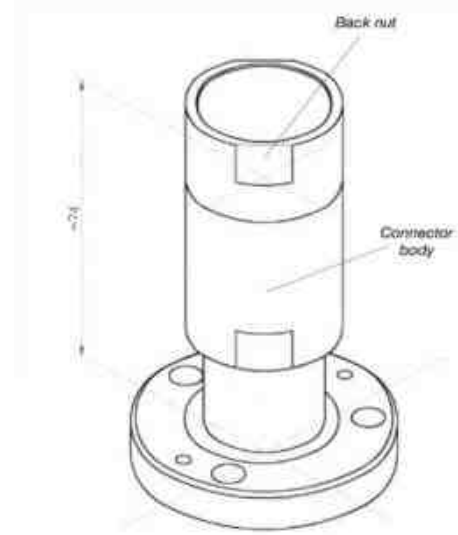


Fig.3

P/N 780011



P/N 7800787

Fig.4

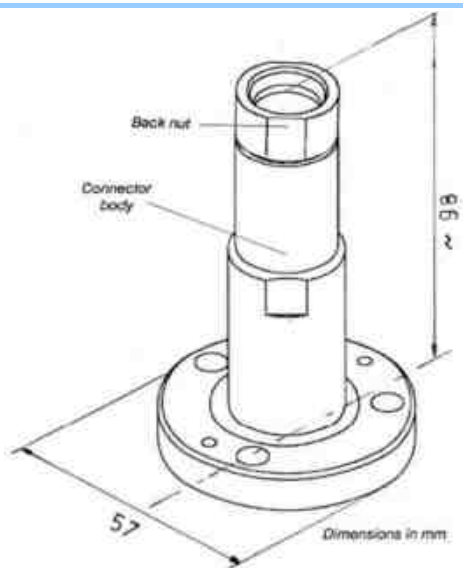
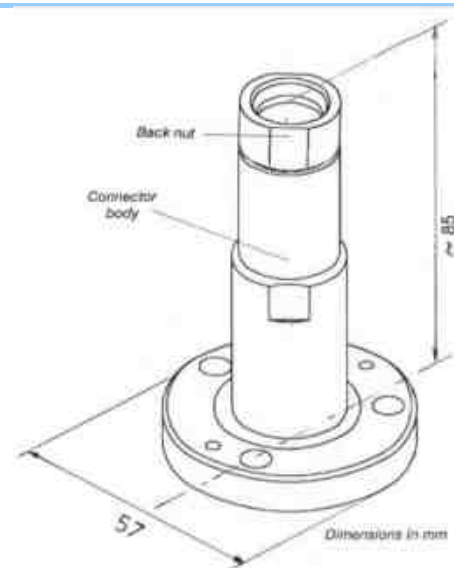


Fig.5

P/N 780012RP

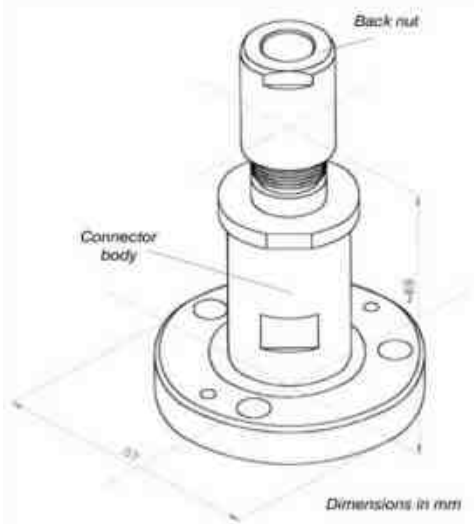


P/N 780012H

Fig.6

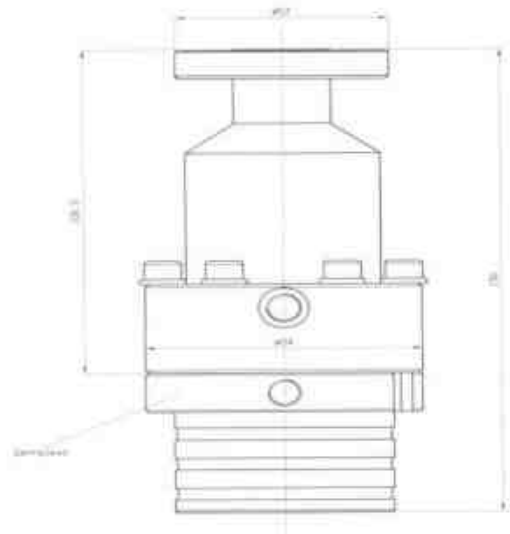


# DRAWINGS 7/8"



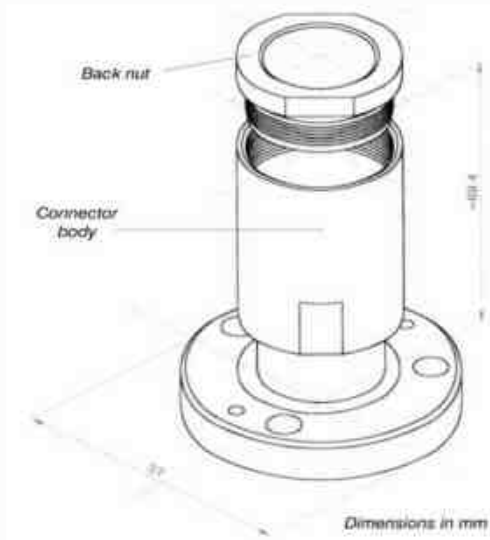
**Fig.7**

**P/N 780014**



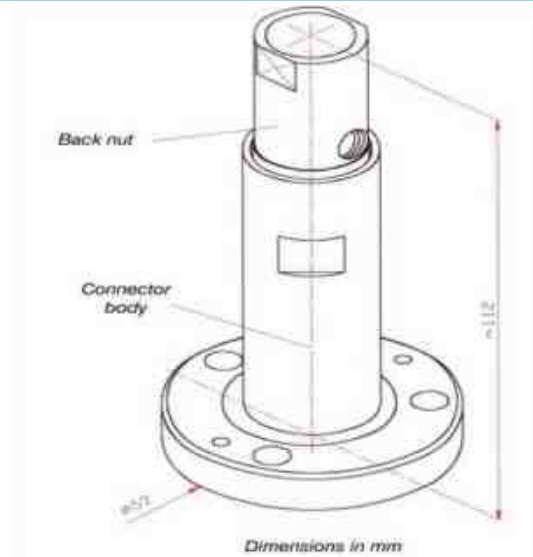
**Fig.8**

**P/N 780015A**



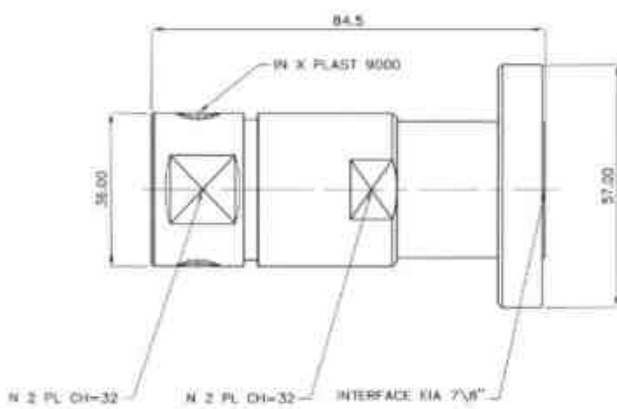
**Fig.9**

**P/N 780022**



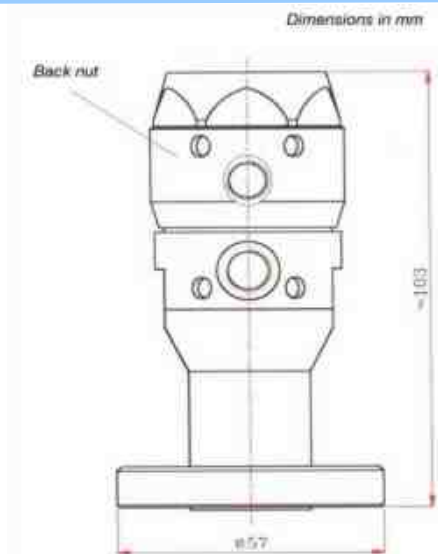
**P/N 780033**

**Fig.10**



**Fig.11**

**P/N 780078RP**



**P/N 780078A**

**Fig.12**

# DRAWINGS 7/8"

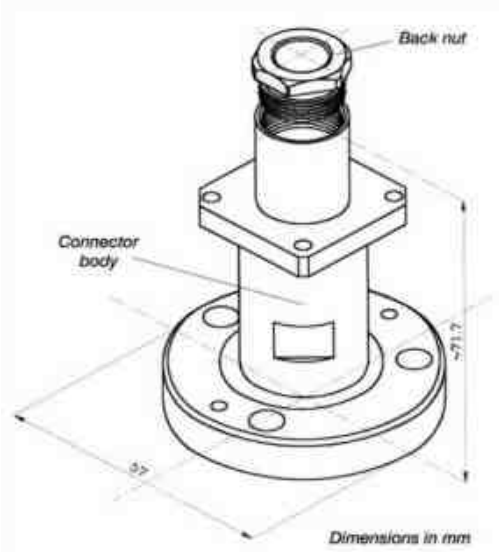
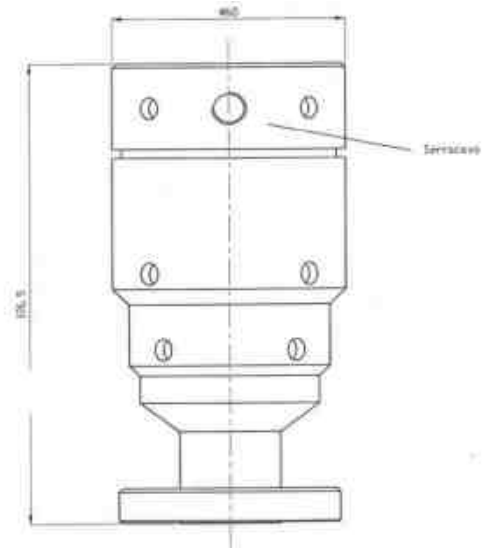


Fig.13

P/N 780611



P/N 780015RP

Fig.14

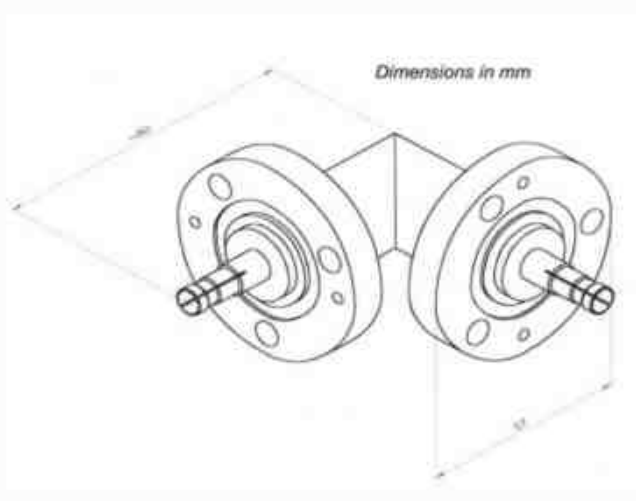
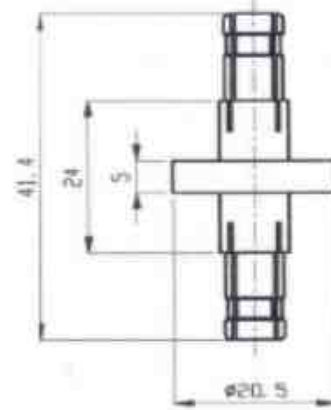


Fig.15

P/N 780478



P/N 78000I\*

Fig.16

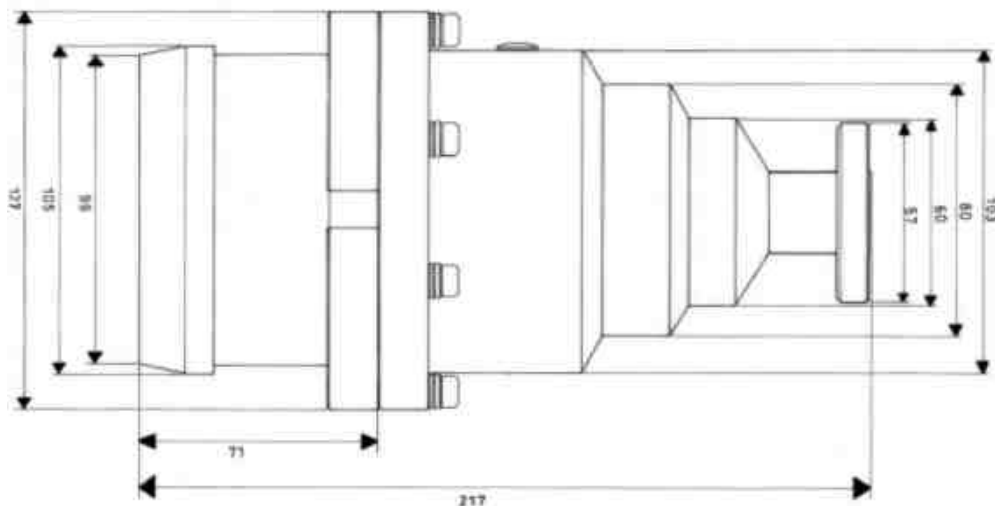


Fig.17

P/N 780031

# DRAWINGS 7/8"

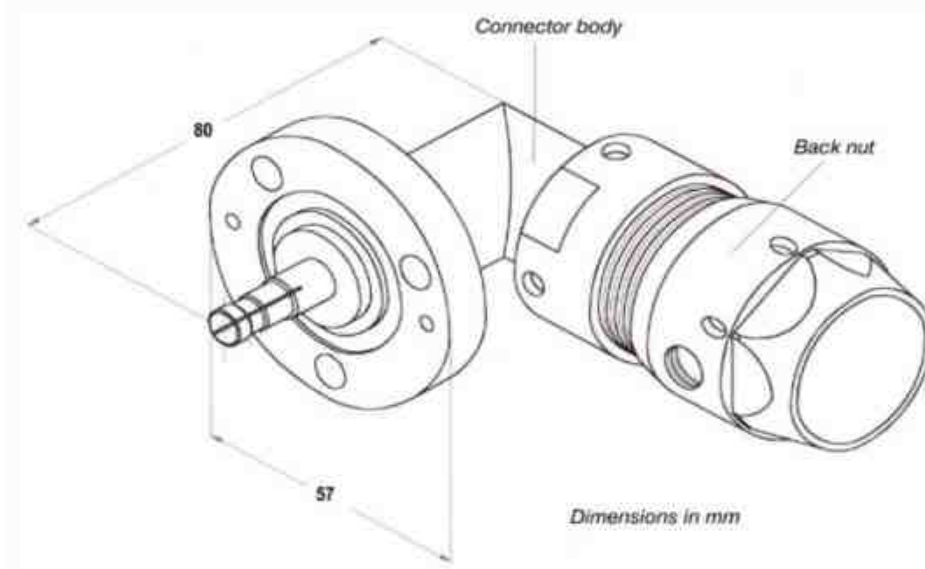


Fig.18

P/N 780478A

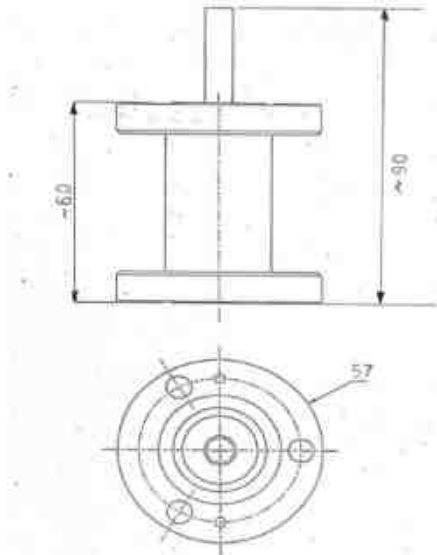
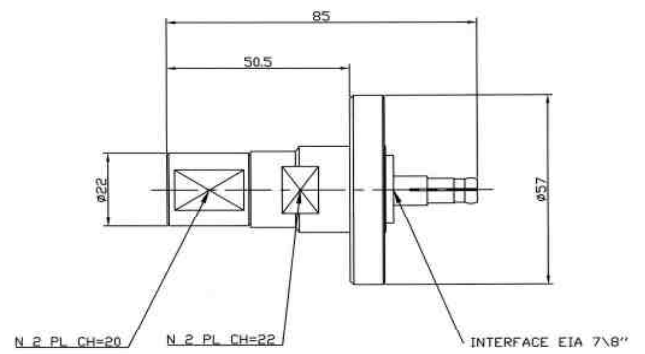


Fig.19

P/N 780578FF



P/N 782012

Fig.20

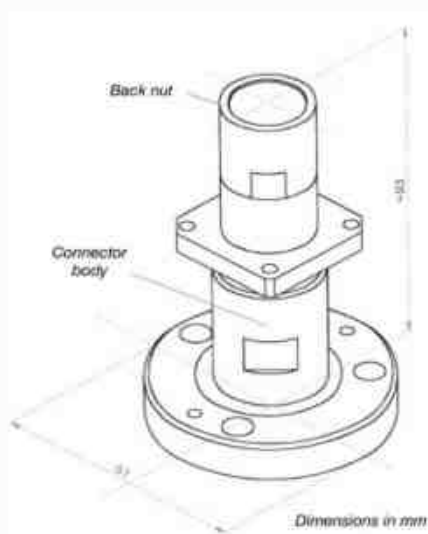
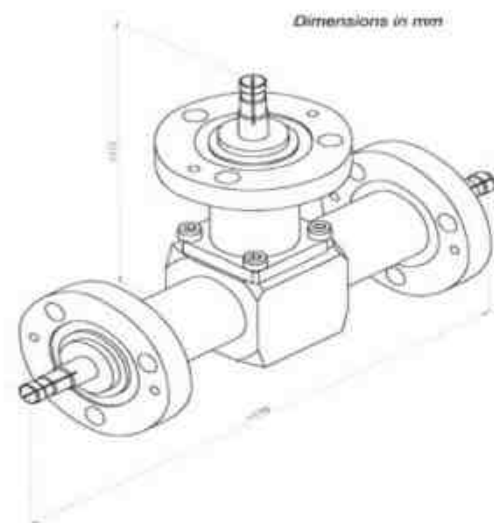


Fig.21

P/N 780612



P/N 78090111

Fig.22

# DRAWINGS 7/8"

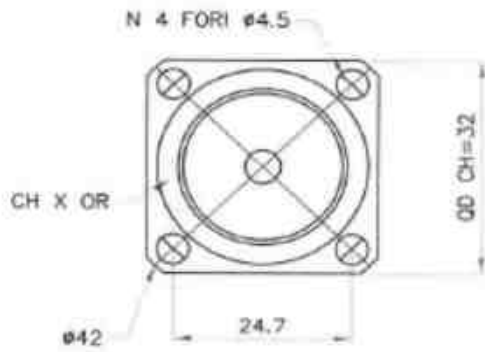
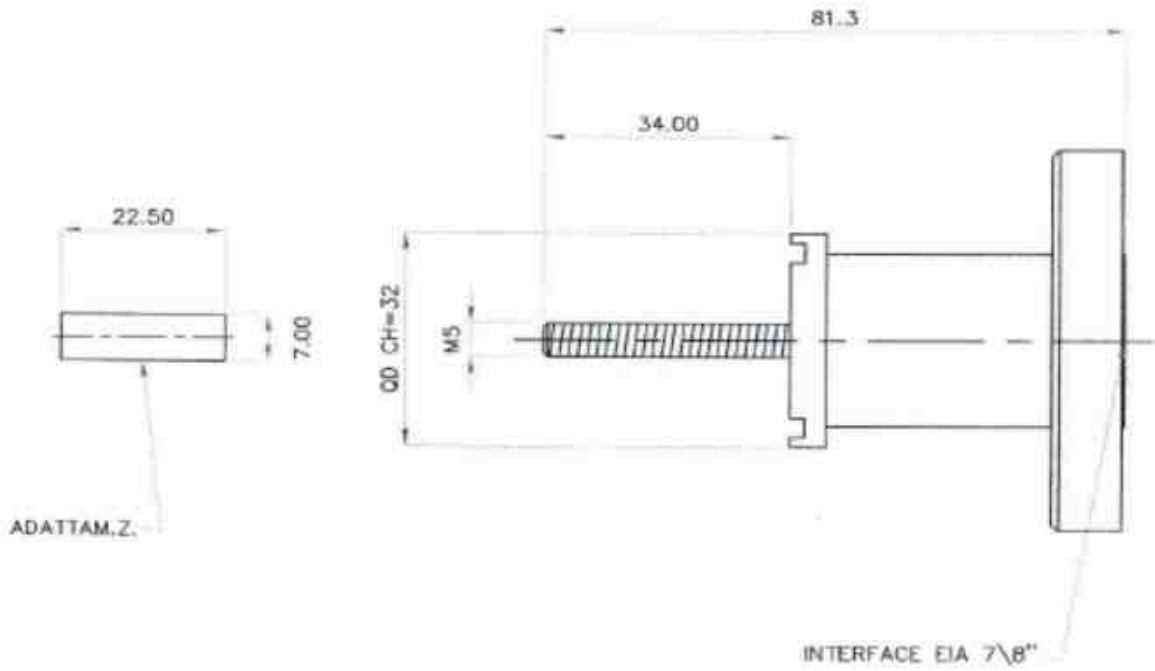


Fig.23

P/N 780032CF..\*

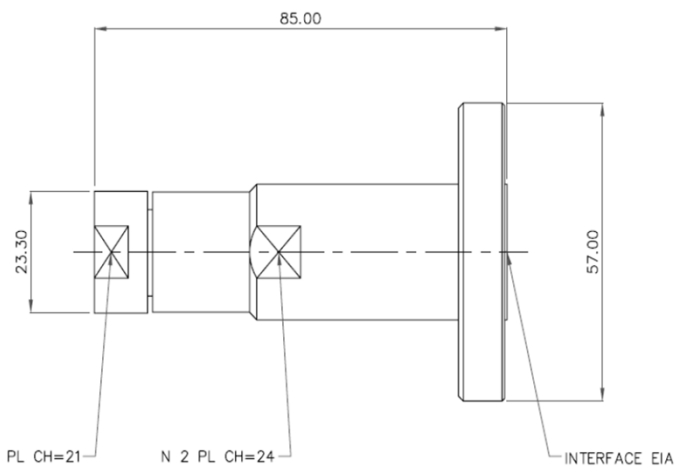
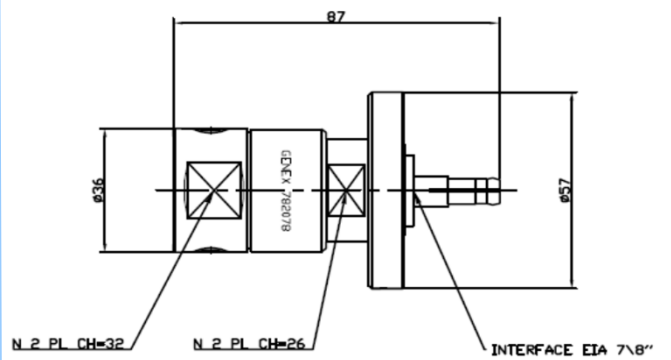


Fig.24

P/N 780012HFX



P/N 782078

Fig.25

# EIA 1"5/8

EIA FLANGE 50  $\Omega$



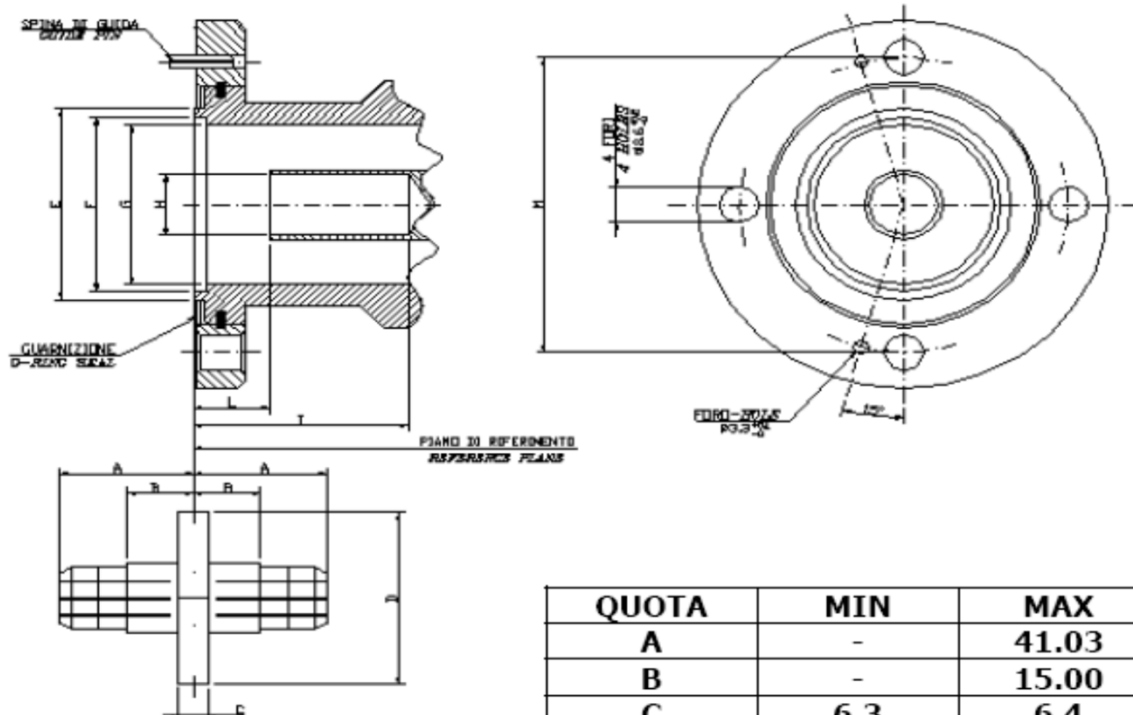
# TECHNICAL INFORMATIONS EIA 1"5/8

notes

Frequency range	DC ÷ 2,5 GHz	
Impedance	50 Ω	
VSWR :	1.15 MAX	
Insulation	$\geq 5 \cdot 10^3$ MΩ	
Contact resistance	centre $\leq 1.5$ mΩ	
	outer $\leq 1.0$ mΩ	
Dielectric	2,5kV rms 50Hz	depending on cable
Temperature range	-55°C ÷ +85°C	

Above, are typical characteristics of 1"5/8 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE




QUOTA	MIN	MAX
A	-	41.03
B	-	15.00
C	6.3	6.4
D	41.40	41.50
E	46.10	46.40
F	41.80	41.95
G	38.71	38.86
H	14.87	15.00
I	41.30	-
L	15.00	15.90
M	71.42	

## FLEXIBLE CABLE FLANGES

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750022	EIA 1"5/8 for RG 17		4

## CORRUGATED CABLE FLANGES




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750021 	EIA 1"5/8 for 2"1/4 foam		10
750029	EIA 1"5/8 for 3" air		
750031	EIA 1"5/8 for 3"1/8 air		11
750015A	EIA 1"5/8 for 1"5/8 air		3
750015RP	EIA 1"5/8 for 1"5/8 foam		2
750078A	EIA 1"5/8 for 7/8" air		
750078RP	EIA 1"5/8 for 7/8" foam		5

## RECEPTACLES WITH SOLDER END

### PANEL FLANGE




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750532	EIA 1"5/8 solder contact	flange 32x32	1
750560	EIA 1"5/8 threaded contact M6 - inner H 20mm	flange 60x60	12
750532CF * 	EIA 1"5/8 threaded contact M5	flange 32x32	13

...\* length threaded contact, on request

example: 750532CF35 =threaded contact mm. 35

## RIGID LINE FLANGES




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750015LR 	EIA 1"5/8 for USA 1"5/8 rigid line	with clamp	
750015LRE	EIA 1"5/8 for Europe 1"5/8 rigid line	with clamp	
750015LRES	EIA 1"5/8 for Europe 1"5/8 rigid line	soldered	
750015LRS	EIA 1"5/8 for USA 1"5/8 rigid line	soldered	
7500315LRS	EIA 1"5/8 for USA 3"1/8 rigid line	soldered	
750031LR	EIA 1"5/8 for USA 3"1/8 rigid line	with clamp	
750031LRE	EIA 1"5/8 for Europe 3"1/8 rigid line	with clamp	
750031LRES	EIA 1"5/8 for Europe 3"1/8 rigid line	soldered	



## ADAPTERS EIA 1"5/8 - EIA 1"5/8




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750475 	EIA 1"5/8 L EIA 1"5/8	right angle 90°	7
750575	EIA 1"5/8 - EIA 1"5/8 panel mount		8

For others combinations, see section " COAXIAL ADAPTERS"


## INNER



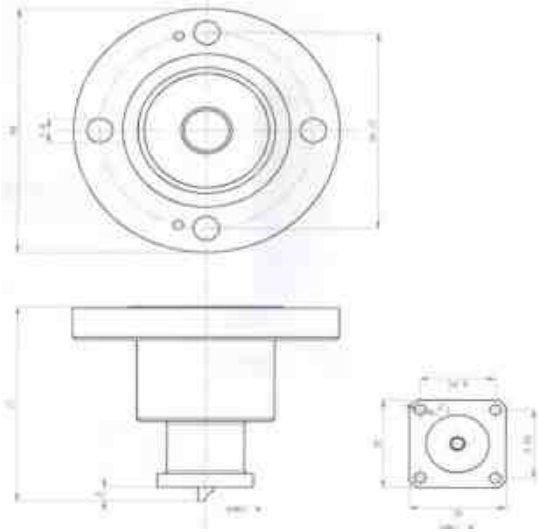
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750001 	EIA 1"5/8 Inner		9
7500017	EIA 1"5/8 Inner 75 Ω		
750001LR	EIA 1"5/8 Inner for USA rigid line		
750001LRE	EIA 1"5/8 Inner for Europe rigid line		

## GAS BARRIER



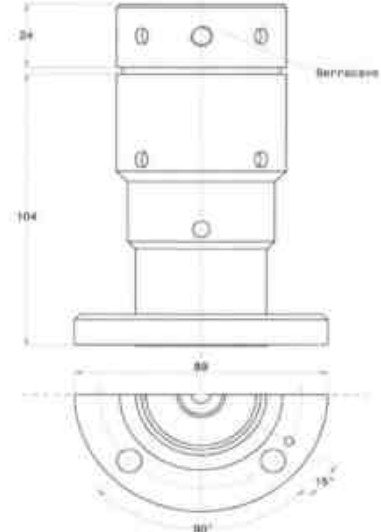
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
750375GB 	Gas barrier EIA 1"5/8		6

**DRAWINGS 1"5/8**



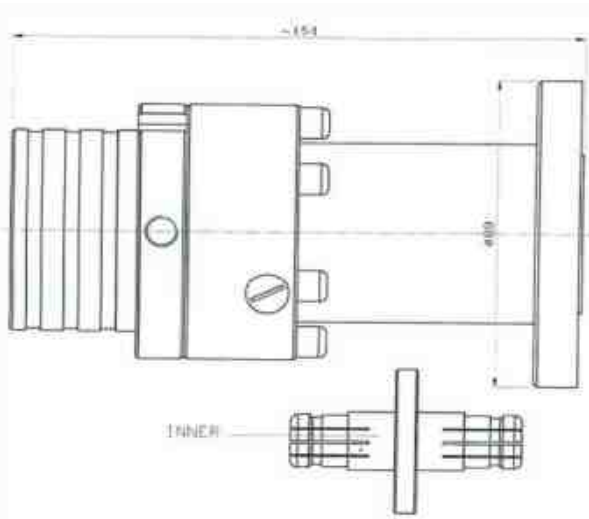
**Fig.1**

**P/N 750000**



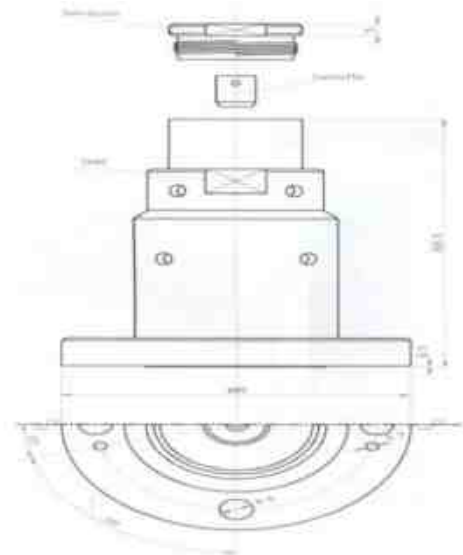
**P/N 750015RP**

**Fig.2**



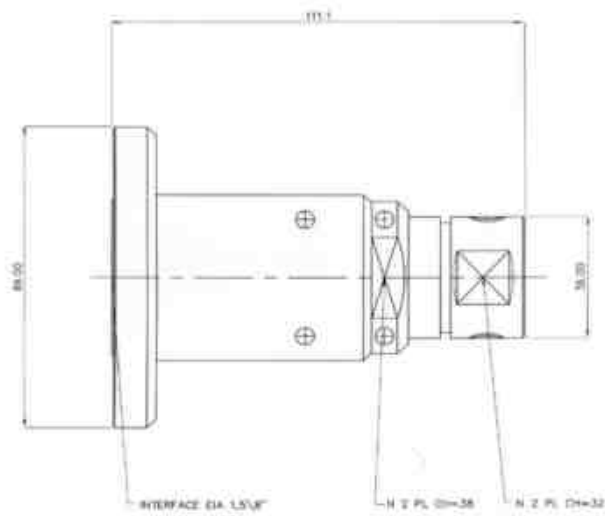
**Fig.3**

**P/N 750015A**



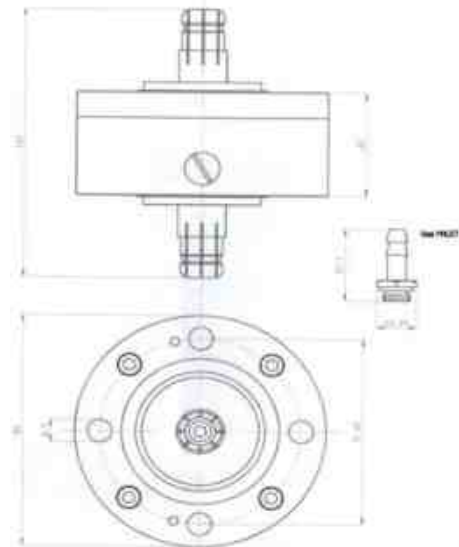
**P/N 750022**

**Fig.4**



**Fig.5**

**P/N 750078RP**



**P/N 750375GB**

**Fig.6**

# DRAWINGS 1"5/8

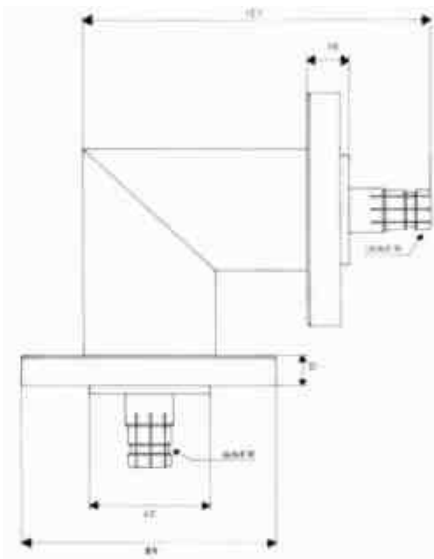
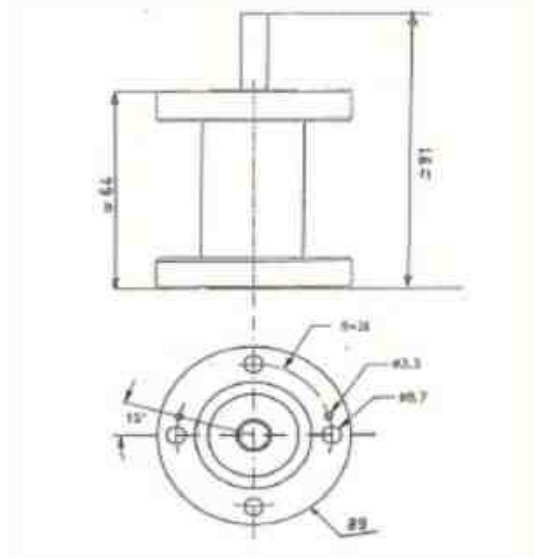


Fig.7

P/N 750475



P/N 750575

Fig.8

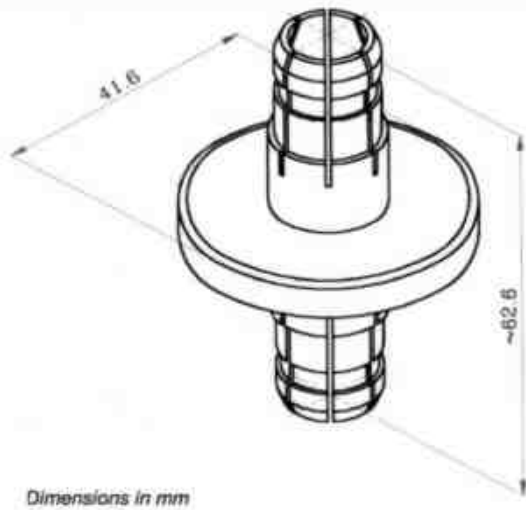
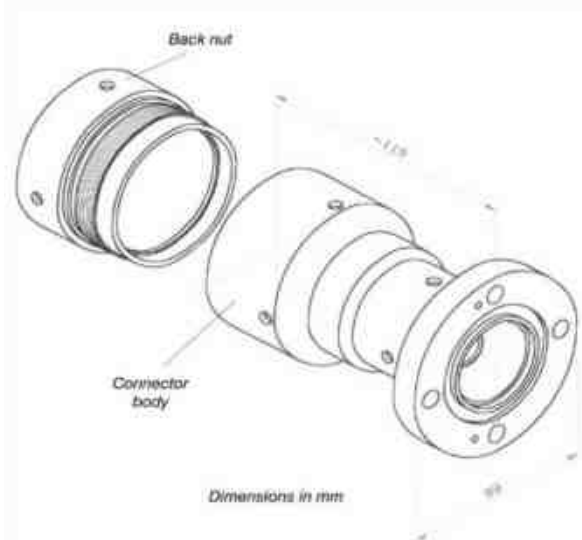


Fig.9

P/N 750001



P/N 750021

Fig.10

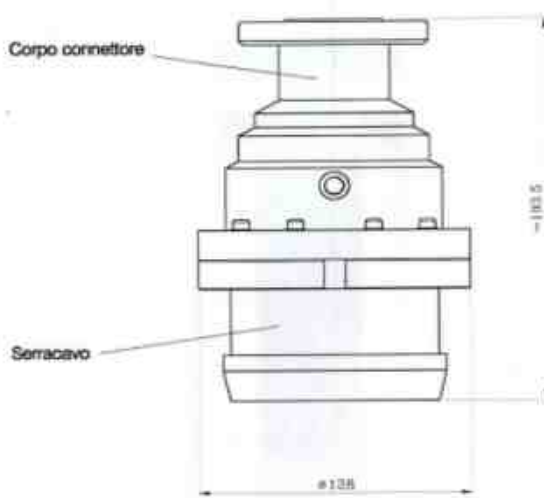
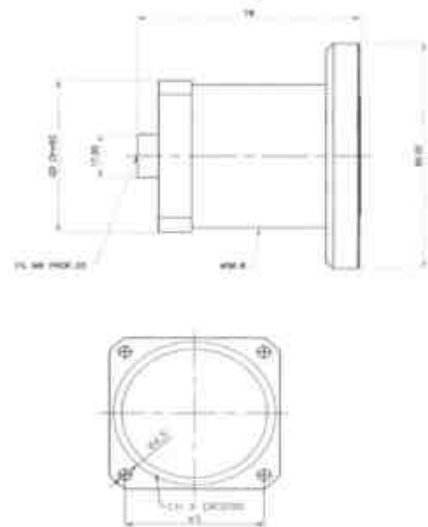


Fig.11

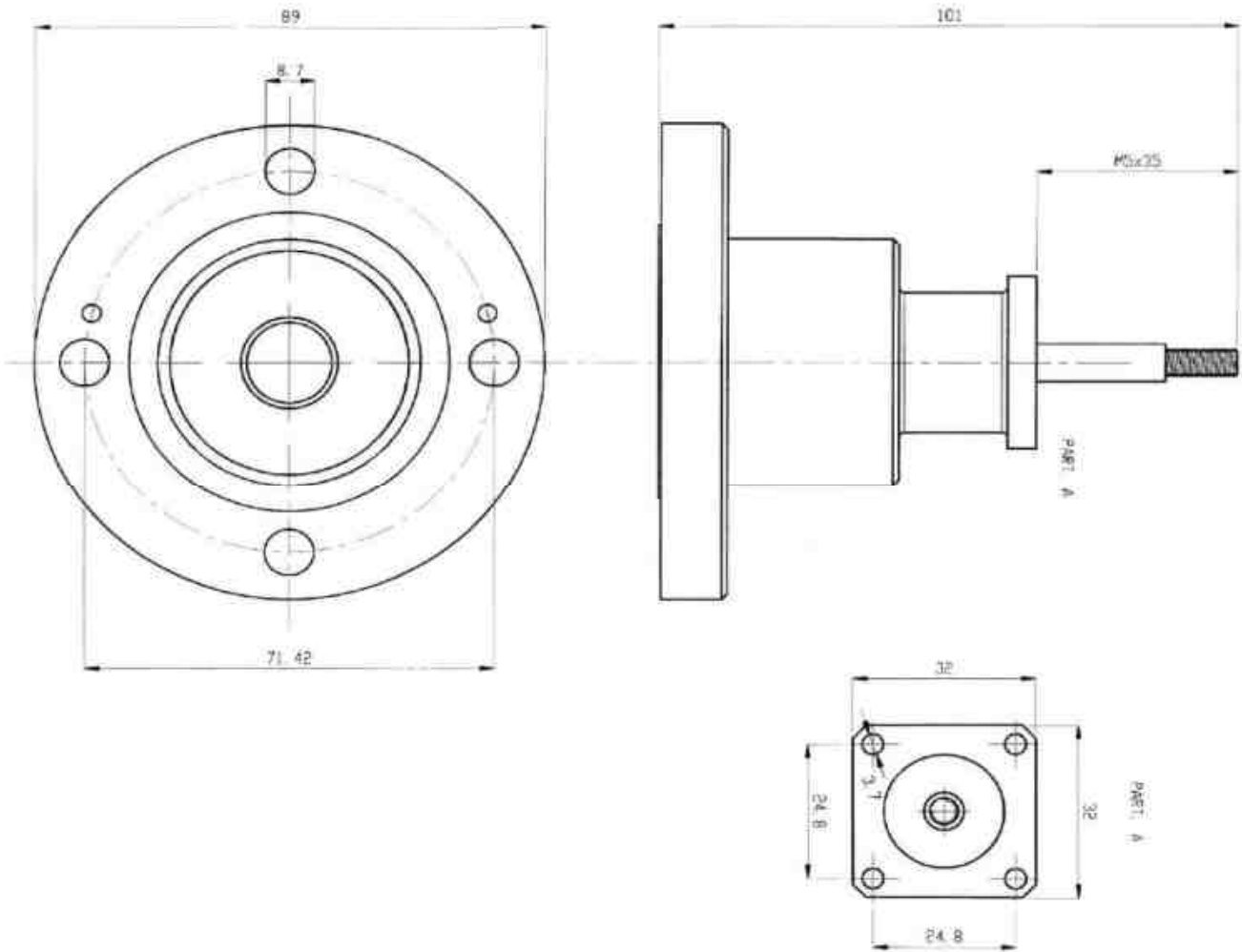
P/N 750031



P/N 750560

Fig.12

**DRAWINGS 1"5/8**



**Fig.13**

**P/N 750532CF35**

**Fig.14**

**P/N**

**P/N**

**Fig.15**

# EIA 3"1/8

EIA FLANGE 50  $\Omega$





GENEX RF, helpfulness and courtesy in replying to your just demands.





# TECHNICAL INFORMATIONS EIA 3"1/8

notes

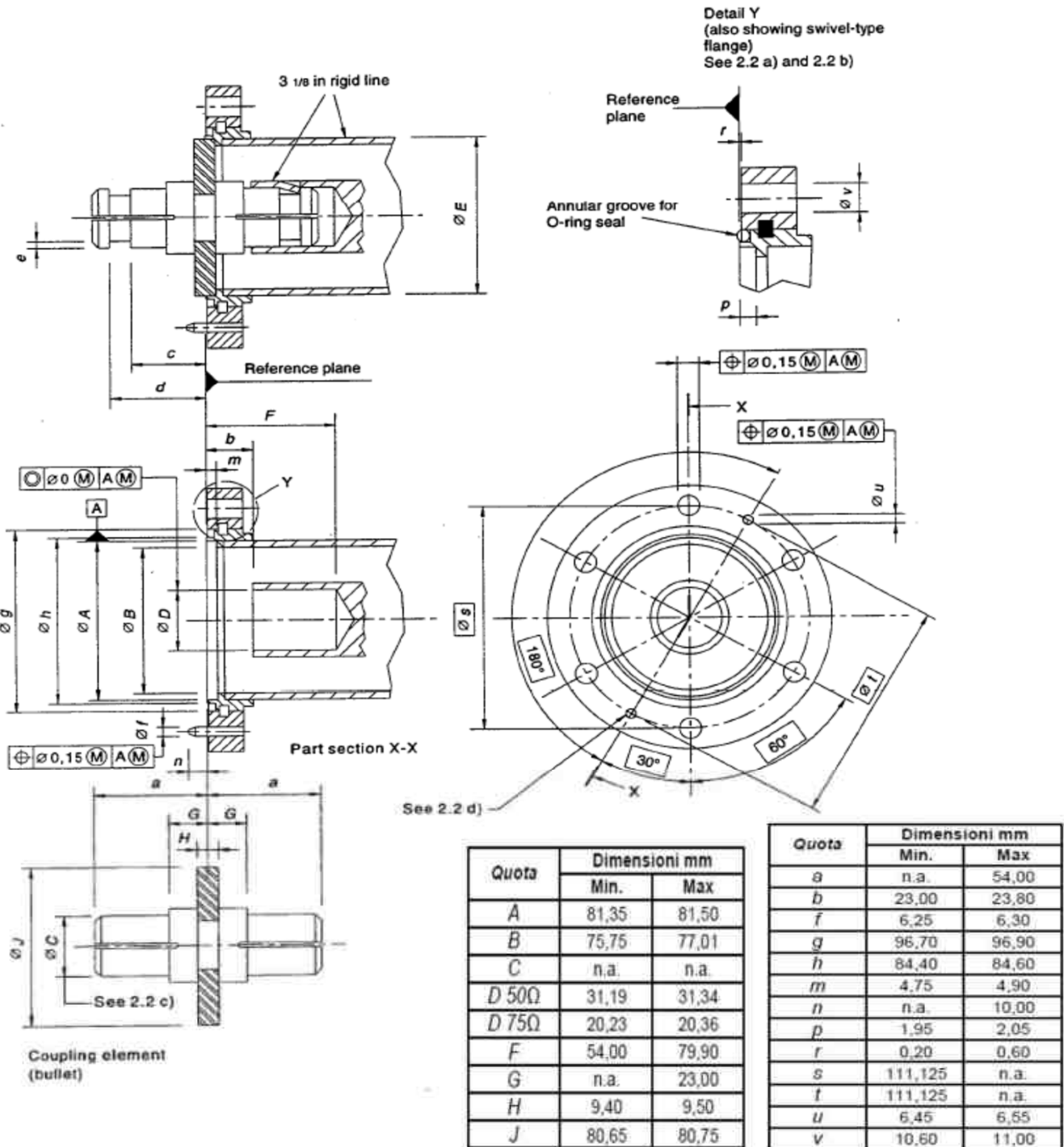
Frequency range DC ÷ 1,5 GHz

Impedance 50 Ω

VSWR : depending on cable


Above, are typical characteristics of 3"1/8 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE




## CORRUGATED CABLE FLANGES



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
730021	EIA 3"1/8 for 2"1/4 foam		3
730029 	EIA 3"1/8 for 3" air		
730031	EIA 3"1/8 for 3"1/8 air		
730040	EIA 3"1/8 for 4"1/8 air		2
730055	EIA 3"1/8 for 5" air		4
730078	EIA 3"1/8 for 7/8" foam		
730015A	EIA 3"1/8 for 1"5/8 air		
730015RP	EIA 3"1/8 for 1"5/8 foam		
730029K	EIA 3"1/8 for 3" RFS air		

## ADAPTERS EIA 3"1/8 - EIA 3"1/8



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
730473 	EIA 3"1/8 L EIA 3"1/8	right angle 90°	5
730573	EIA 3"1/8 - EIA 3"1/8 panel mount		

For others combinations, see section " COAXIAL ADAPTERS"



## INNER



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
730001	EIA 3"1/8 Inner		1
7300017	EIA 3"1/8 Inner 75Ω		

## GAS BARRIER

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
730373GB	Gas barrier EIA 3"1/8		

# DRAWINGS 3"1/8

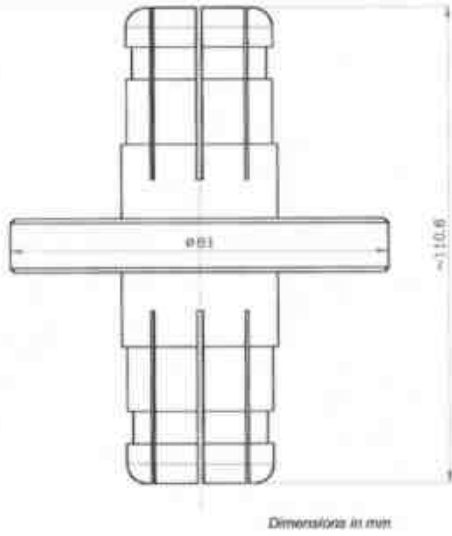


Fig.1

P/N 730001

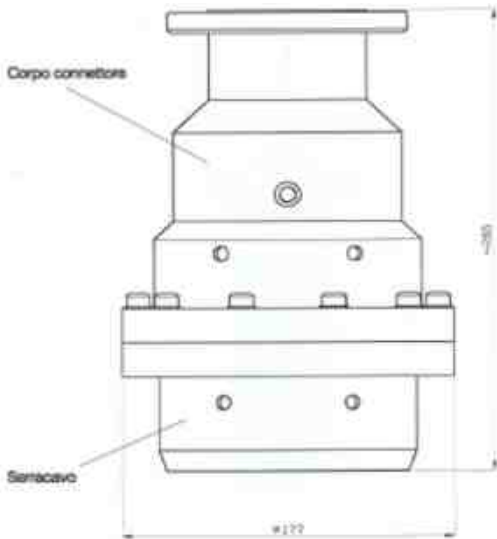
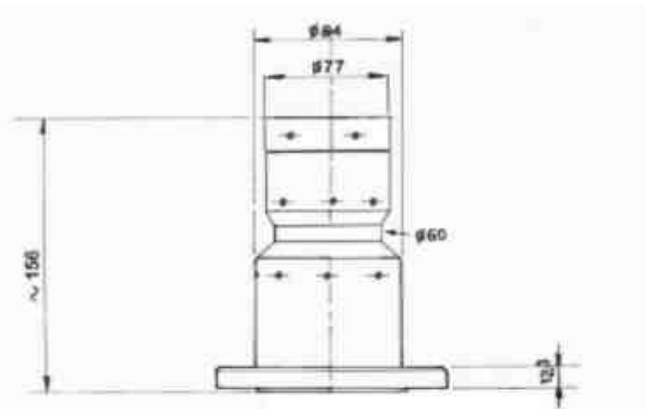
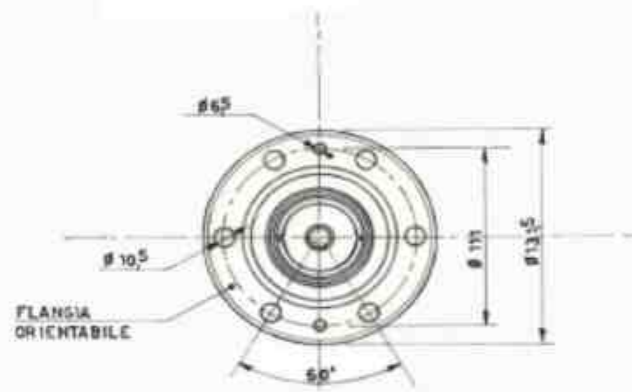


Fig.2

P/N 730040



P/N 730021

Fig.3

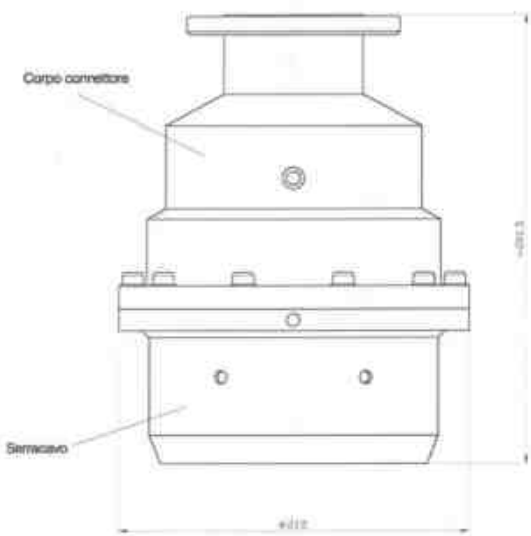
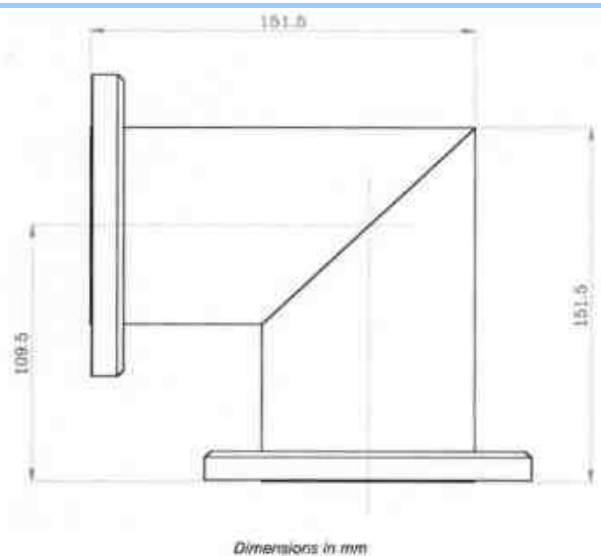


Fig.4

P/N 730055



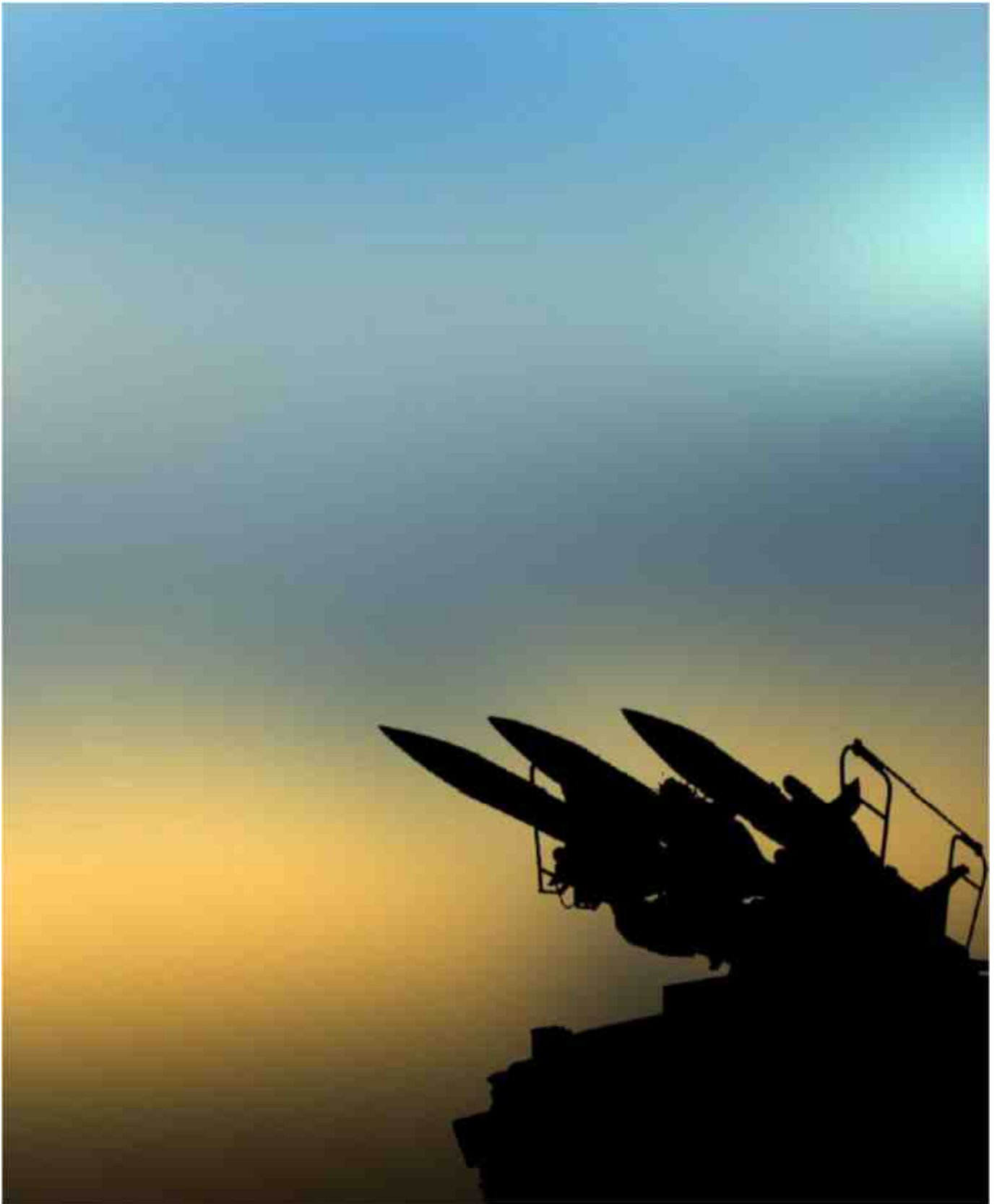
P/N 730473

Fig.5

# EIA 4" 1/8

EIA FLANGE 50  $\Omega$

GENEX RF  
For every demands.



# TECHNICAL INFORMATIONS EIA 4"1/8

notes

Frequency range DC ÷ 1 GHz

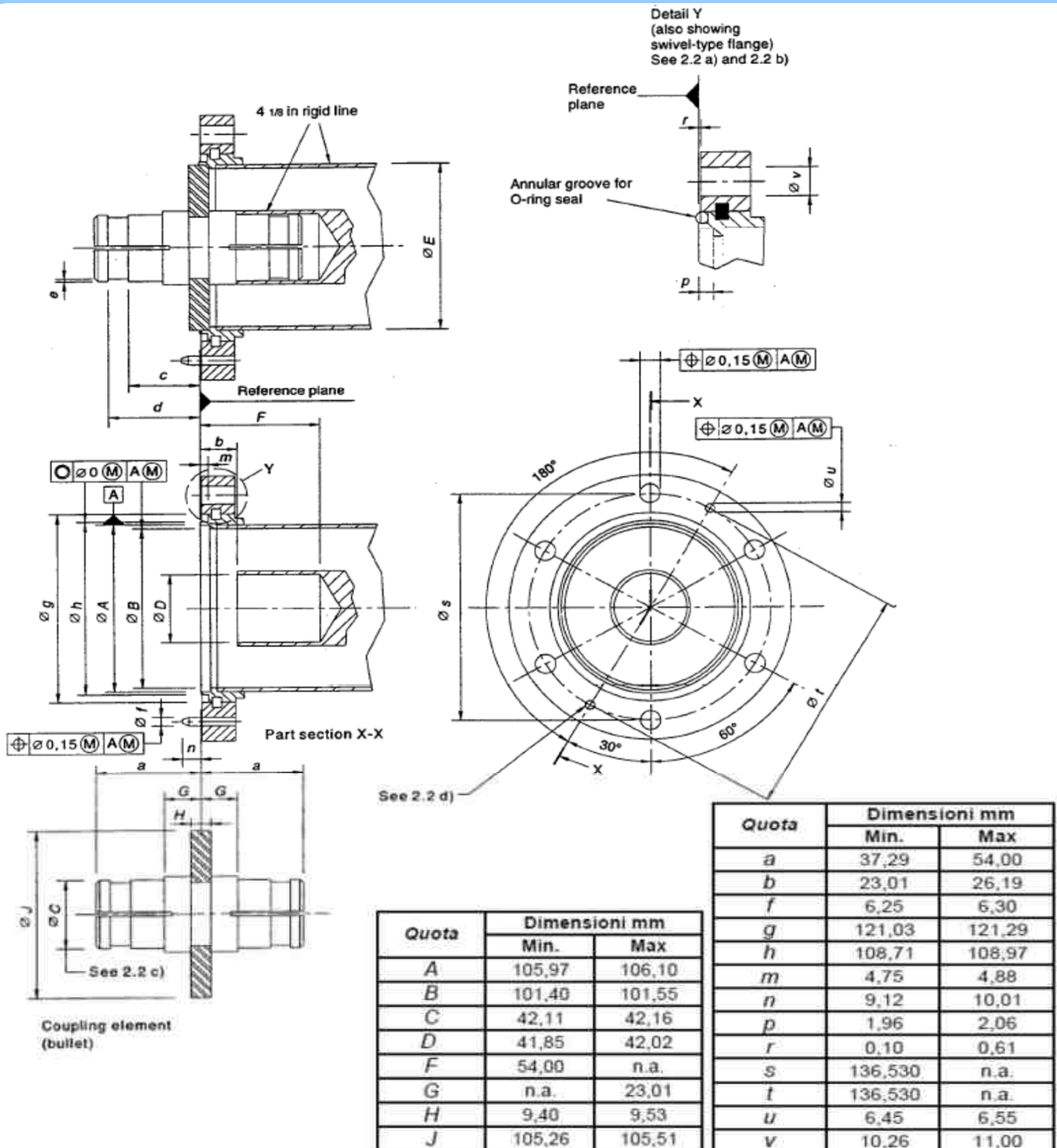
Impedance 50 Ω

VSWR :

depending on cable

Above, are typical characteristics of 4"1/8 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE



## ADAPTERS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
480373C	EIA 4"1/8 - EIA 3"1/8	conical	
860348	EIA 4"1/8 - EIA 6"1/8		

## INNER

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
480001	EIA 4"1/8 Inner		

# EIA 4" 1/2

EIA FLANGE 50  $\Omega$

# GENEX RF

Impossible become possible too.





# TECHNICAL INFORMATIONS EIA 4"1/2

notes

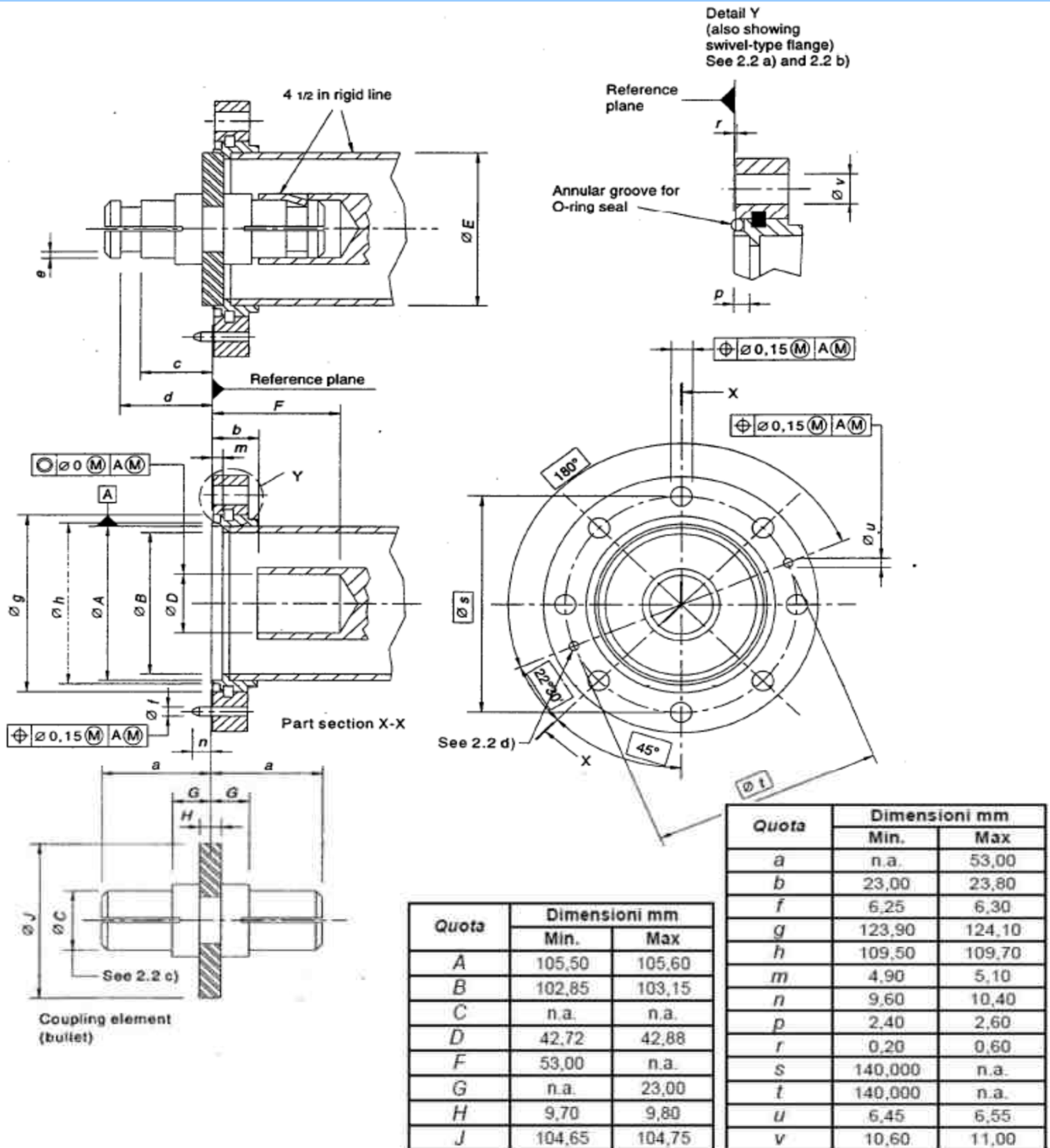
Frequency range DC ÷ 1 GHz

Impedance 50 Ω

VSWR : depending on cable

Above, are typical characteristics of 4"1/2 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE



## CORRUGATED CABLE FLANGES


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
490040	EIA 4"1/2 for 4"1/8 air		
490055	EIA 4"1/2 for 5" air		

## RIGID LINE FLANGE

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
490042LR	EIA 4"1/2 for 4"1/2 rigid line		

## ADAPTERS

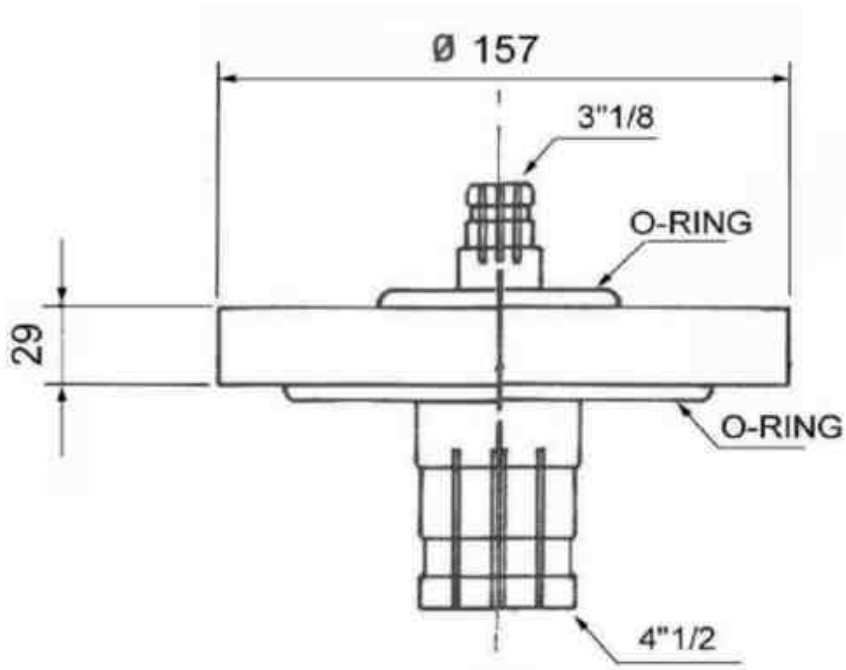


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
490373 	EIA 4"1/2 - EIA 3"1/8		1

# INNER

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
490001	EIA 4"1/2 Inner		

**DRAWINGS 4"1/2**



**Fig.1**

**P/N 490373**

**Fig.2**

**P/N**

**P/N**

**Fig.3**

# EIA 6" 1/8

EIA FLANGE 50  $\Omega$



# TECHNICAL INFORMATIONS EIA 6"1/8

notes

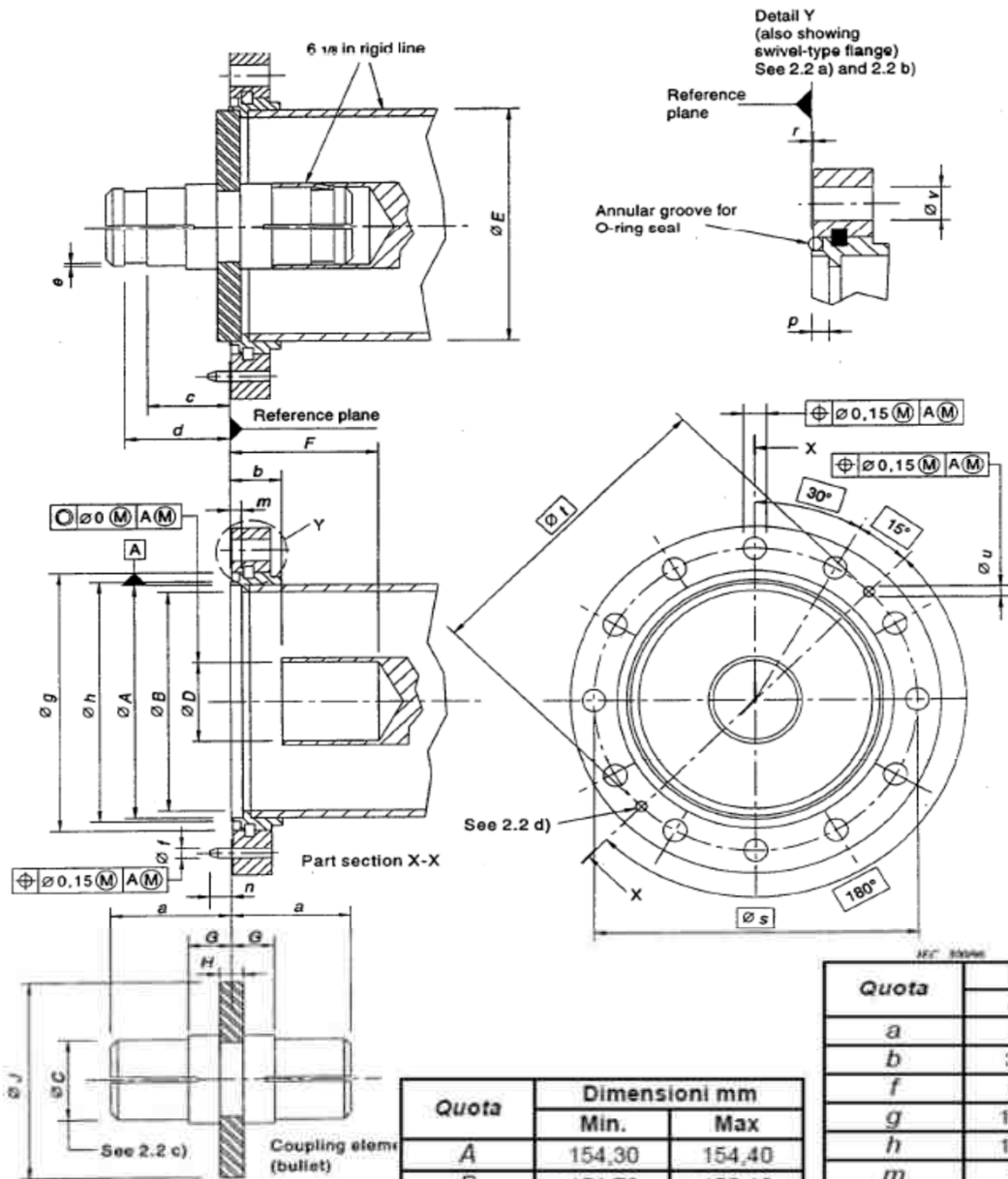
Frequency range DC ÷ 800 MHz

Impedance 50 Ω

VSWR : depending on cable

Above, are typical characteristics of 6"1/8 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

## INTERFACE



Quota	Dimensioni mm	
	Min.	Max
A	154,30	154,40
B	151,72	152,12
C	n.a.	n.a.
D	63,90	64,10
F	69,85	n.a.
G	n.a.	31,75
H	10,90	11,00
J	153,50	153,70


Quota	Dimensioni mm	
	Min.	Max
a	n.a.	69,85
b	31,75	32,54
f	6,25	6,30
g	172,59	172,85
h	157,86	158,12
m	5,54	5,66
n	9,10	9,90
p	2,80	3,00
r	0,20	0,60
s	187,330	n.a.
t	187,330	n.a.
u	6,45	6,55
v	10,60	11,00

## CORRUGATED CABLE FLANGES

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
860055	EIA 6"1/8 for 5" air		
860041	EIA 6"1/8 for 6"1/8 air		


## RIGID LINE FLANGES



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
860041LR 	EIA 6"1/8 for 6"1/8 rigid line		3

## ADAPTERS



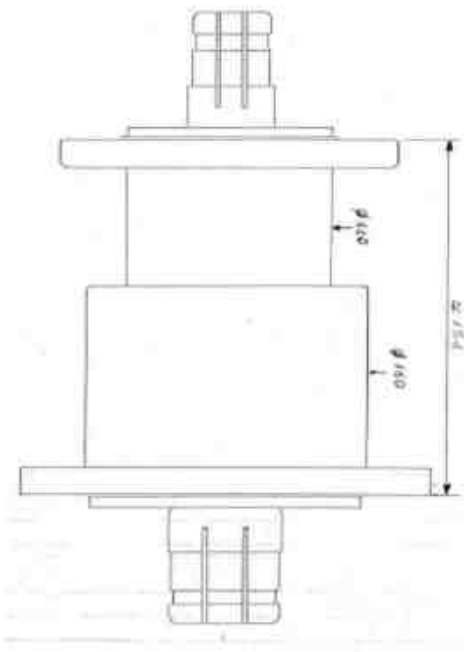
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
860348C 	EIA 6"1/8 - EIA 4"1/8	conical	1
860373	EIA 6"1/8 - EIA 3"1/8		4

# INNER

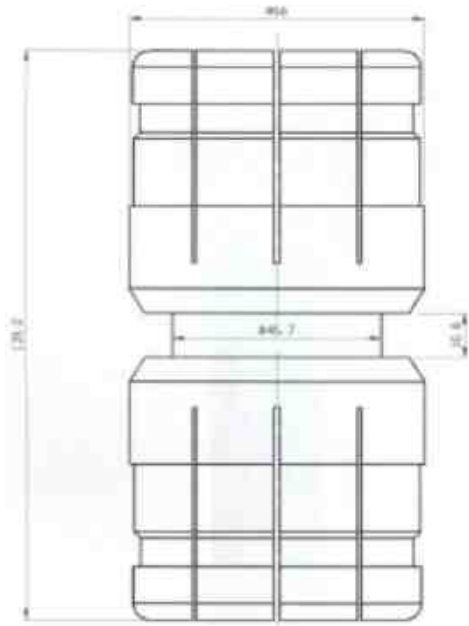
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
860001	EIA 6"1/8 Inner		2



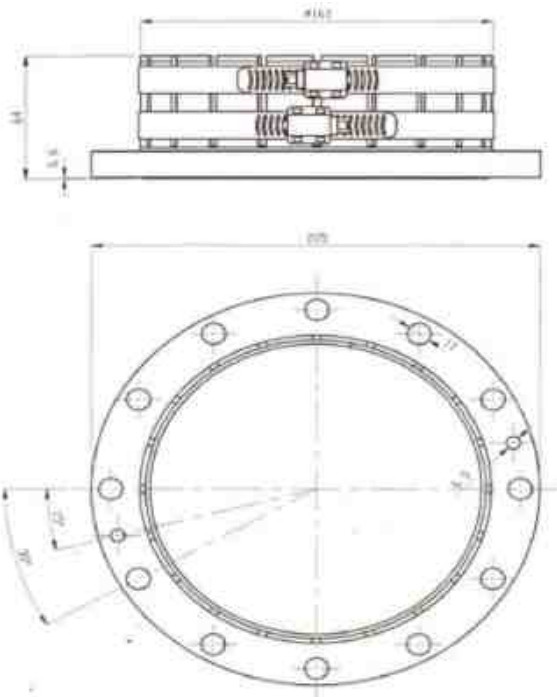
**DRAWINGS 6"1/8**



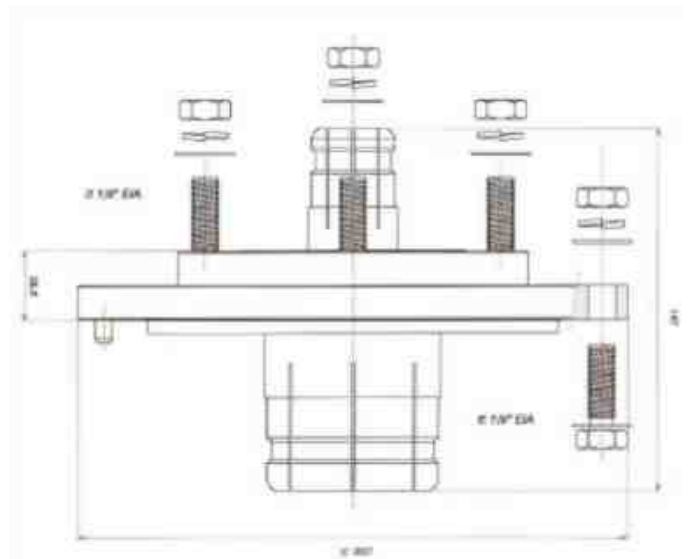
**Fig.1**                      **P/N 860348C**



**P/N 860001**                      **Fig.2**



**Fig.3**                      **P/N 860041LR**



**P/N 860373**                      **Fig.4**

# COAXIAL ADAPTERS



# GENEX RF

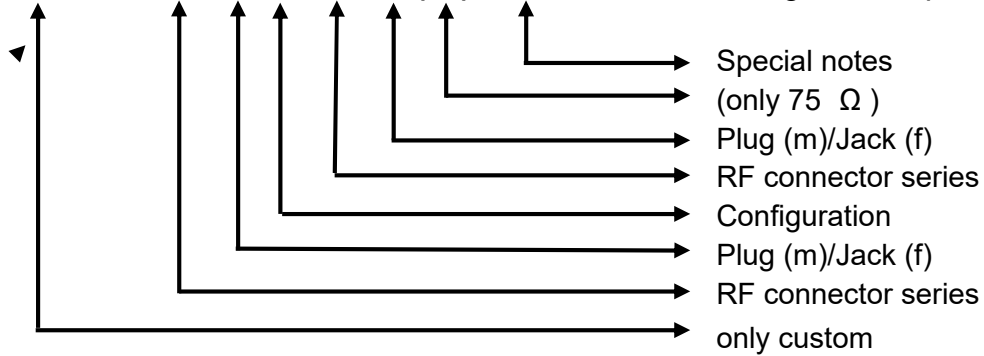
State of the art of "impossible" connection



# PART NUMBER GENEX RF COAXIAL ADAPTERS

Example:

**ELT/MR/KS 30 2 3 30 1 (7) LV = N m/Nf straight 50 Ω precision**



## CONNECTORS SERIES

09	BNC reverse polarity	62	1.8/5.6
10	BNC	63	25/58
20	TNC	66	2.5/6
30	N	68	4.1/9.5
31	C	69	4.6/1.6
32	SC	70	DIN 7/16
33	SMA	71	13/30 SIE
35	SMC	72	13/30 M50
36	SMB	73	EIA 3"1/8
97	SMZ	74	DIN 7/16 Flange
37	BSM	75	EIA 1"5/8
40	UHF	78	EIA 7/8"
41	MINI UHF	86	EIA 6"1/8
42	1.0/2.3	90	K
44	F	92	MCX
48	EIA 4"1/8	95	PC3.5
49	EIA 4"1/2	96	PC7
50	HN	KS22	SMP
54	SMS	KS33	OSP/BMA
57	SIS	THT	THT
60	LC	UER70	UER Flange
61	1.6/5.6		

## PLUG (M)/JACK (F)

1	JACK (F)	2	PLUG (M)
---	----------	---	----------

## CONFIGURATION

3	STRAIGHT	5	PANEL MOUNT SQUARE FLANGE
4	RIGHT ANGLE 90°	7	BULKHEAD

## ALPHABETICAL SUFFIXES

LV	PRECISION	C	CONICAL TYPE
----	-----------	---	--------------

	BNC	BNC Rev. Pol.	TNC	N	C	UHF	SC	HN	LC	THT	SMA	SIS	SMS	SMP	SMC	SMZ	SMB	MCX	OSP/BMA
BNC	●		●	●	●	●	●	●			●					●			
BNC Rev. Pol.				●															
TNC	●		●	●		●	●	●			●								
N	●	●	●	●	●	●	●	●	●	●	●				●		●		
C	●			●	●														
UHF	●		●	●															
SC	●		●	●															
HN	●		●	●															
LC				●					●										
THT				●															
SMA	●		●	●							●	●	●	●	●		●	●	●
SIS											●								
SMS											●								
SMP											●			●					
SMC	●			●							●				●				
SMZ	●															●			
SMB				●							●						●		
MCX											●								
OSP/BMA											●								
BSM	●		●																
F	●			●							●								
MINI UHF	●			●															
1.0/2.3	●															●			
1.6/5.6	●			●												●			
1.8/5.6	●			●							●								
2.5/6	●																		
4.1/9.5				●															
4.6/16				●															
DIN 7/16				●							●								
FLA DIN 7/16				●															
FLA UER				●															
13/30				●															
25/58																			
EIA 7/8"				●					●										
EIA 1"5/8				●					●										
EIA 3"1/8				●															
EIA 4"1/8																			
EIA 4"1/2																			
EIA 6"1/8																			
K				●															
PC3.5				●															
PC7				●							●								



## From BNC plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
1020 - BAN	BNC m - Banana f	n.a.		1
2013102	BNC m - TNC f	50 Ω		9
2023102	BNC m - TNC m	50 Ω		11
3013102	BNC m - N f	50 Ω		13
3023102	BNC m - N m	50 Ω		18
3313102	BNC m - SMA f	50 Ω		
3323102	BNC m - SMA m	50 Ω		
4013102	BNC m - UHF f	50 Ω		
4023102	BNC m - UHF m	50 Ω		
4113102	BNC m - MINI UHF f	50 Ω		
4213102	BNC m - 1.0/2.3 f	50 Ω		38
4223102	BNC m - 1.0/2.3 m	50 Ω		42
4413102	BNC m - F f	75 Ω		
4423102	BNC m - F m	75 Ω		
5013102	BNC m - HN f	50 Ω		
5023102	BNC m - HN m	50 Ω		
6113102	BNC m - 1.6/5.6 f	75 Ω		50
6123102	BNC m - 1.6/5.6 m	75 Ω		
6213102	BNC m - 1.8/5.6 f	50 Ω		
6223102	BNC m - 1.8/5.6 m	50 Ω		
6613102	BNC m - 2.5/6 f	75 Ω		
6623102	BNC m - 2.5/6 m	75 Ω		
9713102	BNC m - SMZ female contact	75 Ω		
9723102	BNC m - SMZ male contact	75 Ω		
30131027	BNC m - N f	75 Ω		72
30231027	BNC m - N m	75 Ω		

## From BNC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
1010 - BAN	BNC f - Banana m	n.a.		
2013101	BNC f - TNC f	50 Ω		8
2023101	BNC f - TNC m	50 Ω		10
3013101	BNC f - N f	50 Ω		12
3017101	BNC f - N f	50 Ω	bulkhead	16
3023101	BNC f - N m	50 Ω		17
3024101	BNC f - N m	50 Ω	right angle 90°	
3113101	BNC f - C f	50 Ω		
3123101	BNC f - C m	50 Ω		
3213101	BNC f - SC f	50 Ω		
3223101	BNC f - SC m	50 Ω		
3313101	BNC f - SMA f	50 Ω		
3323101	BNC f - SMA m	50 Ω		32
3523101	BNC f - SMC male contact	50 Ω		
3723101	BNC f - BSM male contact	75 Ω		
4013101	BNC f - UHF f	50 Ω		
4023101	BNC f - UHF m	50 Ω		
4123101	BNC f - MINI UHF m	50 Ω		
4213101	BNC f - 1.0/2.3 f	50 Ω		37
4223101	BNC f - 1.0/2.3 m	50 Ω		41
4224101	BNC f - 1.0/2.3 m	50 Ω	right angle 90°	84
4413101	BNC f - F f	75 Ω		45
4423101	BNC f - F m	75 Ω		46
5013101	BNC f - HN f	50 Ω		
5023101	BNC f - HN m	50 Ω		
6113101	BNC f - 1.6/5.6 f	75 Ω		49
6123101	BNC f - 1.6/5.6 m	75 Ω		
6124101	BNC f - 1.6/5.6 m	75 Ω	right angle 90°	
6213101	BNC f - 1.8/5.6 f	50 Ω		
6223101	BNC f - 1.8/5.6 m	50 Ω		
6613101	BNC f - 2.5/6 f	75 Ω		
6623101	BNC f - 2.5/6 m	75 Ω		
9713101	BNC f - SMZ female contact	75 Ω		71
9723101	BNC f - SMZ male contact	75 Ω		



## From BNC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3523101	BNC f - SMC male contact	50 $\Omega$		
30131017	BNC f - N f	75 $\Omega$		
30171017	BNC f - N f	75 $\Omega$	bulkhead	73
30231017	BNC f - N m	75 $\Omega$		90

## From BNC reverse polarity female contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
0913301	BNC rev. polarity female contact - N f	50 $\Omega$		

## From TNC plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
2023101	TNC m - BNC f	50 $\Omega$		10
2023102	TNC m - BNC m	50 $\Omega$		11
3013202	TNC m - N f	50 $\Omega$		15
3023202	TNC m - N m	50 $\Omega$		
3213202	TNC m - SC f	50 $\Omega$		
3313202	TNC m - SMA f	50 $\Omega$		
3323202	TNC m - SMA m	50 $\Omega$		
4013202	TNC m - UHF f	50 $\Omega$		
4023202	TNC m - UHF m	50 $\Omega$		
5013202	TNC m - HN f	50 $\Omega$		
5023202	TNC m - HN m	50 $\Omega$		

## From TNC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
2013101	TNC f - BNC f	50 Ω		8
2013102	TNC f - BNC m	50 Ω		9
3013201	TNC f - N f	50 Ω		14
3017201	TNC f - N f	50 Ω	bulkhead	
3023201	TNC f - N m	50 Ω		19
3313201	TNC f - SMA f	50 Ω		
3323201	TNC f - SMA m	50 Ω		33
3723201	TNC f - BSM male contact	75 Ω		
4013201	TNC f - UHF f	50 Ω		
4023201	TNC f - UHF m	50 Ω		
5013201	TNC f - HN f	50 Ω		
5023201	TNC f - HN m	50 Ω		

## From N plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3023101	N m - BNC f	50 Ω		17
3023102	N m - BNC m	50 Ω		18
3023201	N m - TNC f	50 Ω		19
3023202	N m - TNC m	50 Ω		
3023401	N m - UHF f	50 Ω		20
3023402	N m - UHF m	50 Ω		21
3024101	N m - BNC f	50 Ω	right angle 90°	
3113302	N m - C f	50 Ω		22
3123302	N m - C m	50 Ω		
3213302	N m - SC f	50 Ω		25

## From N plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3223302	N m - SC m	50 Ω		
3313302	N m - SMA f	50 Ω		28
3315302	N m - SMA f	50 Ω	panel mount - square flange	
3323302	N m - SMA m	50 Ω		36
5013302	N m - HN f	50 Ω		
5023302	N m - HN m	50 Ω		
6013302	N m - LC f	50 Ω		
6023302	N m - LC m	50 Ω		
6113302	N m - 1.6/5.6 f	75 Ω		
6123302	N m - 1.6/5.6 m	75 Ω		94
6213302	N m - 1.8/5.6 f	50 Ω		
6223302	N m - 1.8/5.6 m	50 Ω		
6813302	N m - 4.1/9.5 f	50 Ω		53
6823302	N m - 4.1/9.5 m	50 Ω		
6913302	N m - 4.6/16 f	75 Ω		
6923302	N m - 4.6/16 m	75 Ω		
7013302	N m - DIN 7/16 f	50 Ω		56
7023302	N m - DIN 7/16 m	50 Ω		59
7113302	N m - 13/30 Siemens fem. cont.	50 Ω		
7403302	N m - DIN 7/16 Flange	50 Ω		
7503302	N m - EIA 1"5/8	50 Ω		
7803302	N m - EIA 7/8"	50 Ω		67
30231017	N m - BNC f	75 Ω		90
30231027	N m - BNC m	75 Ω		
44133025	N m - F f	50 Ω		92
44133027	N m - F f	75 Ω		
THT13302	N m - THT f	50 Ω		99
THT23302	N m - THT m	50 Ω		101

## From N jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013101	N f - BNC f	50 Ω		12
3013102	N f - BNC m	50 Ω		13
3013201	N f - TNC f	50 Ω		14
3013202	N f - TNC m	50 Ω		15
3013401	N f - UHF f	50 Ω		
3013402	N f - UHF m	50 Ω		
3013412	N f - MINI UHF m	50 Ω		
3017101	N f - BNC f	50 Ω	bulkhead	16
3017201	N f - TNC f	50 Ω	bulkhead	
3113301	N f - C f	50 Ω		
3123301	N f - C m	50 Ω		23
3213301	N f - SC f	50 Ω		24
3223301	N f - SC m	50 Ω		26
3313301	N f - SMA f	50 Ω		27
3315301	N f - SMA f	50 Ω	panel mount - square flange	30
3317301	N f - SMA f	50 Ω	bulkhead	31
3323301	N f - SMA m	50 Ω		34
3513301	N f - SMC female contact	50 Ω		83
3523301	N f - SMC male contact	50 Ω		82
3623301	N f - SMB male contact	50 Ω		
5013301	N f - HN f	50 Ω		
5023301	N f - HN m	50 Ω		47
6013301	N f - LC f	50 Ω		104
6023301	N f - LC m	50 Ω		
6113301	N f - 1.6/5.6 f	75 Ω		
6115301	N f - 1.6/5.6 f	75 Ω	panel mount - square flange	
6123301	N f - 1.6/5.6 m	75 Ω		51
6213301	N f - 1.8/5.6 f	50 Ω		
6223301	N f - 1.8/5.6 m	50 Ω		
6813301	N f - 4.1/9.5 f	50 Ω		52
6823301	N f - 4.1/9.5 m	50 Ω		54
6913301	N f - 4.6/16 f	75 Ω		
6923301	N f - 4.6/16 m	75 Ω		

## From N jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7013301	N f - DIN 7/16 f	50 Ω		55
7015301	N f - DIN 7/16 f	50 Ω	panel mount - square flange	
7023301	N f - DIN 7/16 m	50 Ω		58
7303301	N f - EIA 3"1/8	50 Ω		86
7403301	N f - DIN 7/16 Flange	50 Ω		61
7503301	N f - EIA 1"5/8	50 Ω		62
7803301	N f - EIA 7/8"	50 Ω		66
7805301	N f - EIA 7/8"	50 Ω	panel mount - square flange 32x32	89
7807301	N f - EIA 7/8"	50 Ω	bulkhead	70
30131017	N f - BNC f	75 Ω		
30131027	N f - BNC m	75 Ω		72
30171017	N f - BNC f	75 Ω	bulkhead	73
44133015	N f - F f	50 Ω		91
44133017	N f - F f	75 Ω		
44233015	N f - F m	50 Ω		93
44233017	N f - F m	75 Ω		
0913301	N f - BNC rev. polarity female contact	50 Ω		
THT13301	N f - THT f	50 Ω		98
THT23301	N f - THT m	50 Ω		100
UER7023301	N f - UER Flange m	50 Ω		77

## From C plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3123101	C m - BNC f	50 Ω		
3123301	C m - N f	50 Ω		23
3123302	C m - N m	50 Ω		

## From C jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3113101	C f - BNC f	50 Ω		
3113301	C f - N f	50 Ω		
3113302	C f - N m	50 Ω		22

## From UHF plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013402	UHF m - N f	50 Ω		
3023402	UHF m - N m	50 Ω		21
4023101	UHF m - BNC f	50 Ω		
4023102	UHF m - BNC m	50 Ω		
4023201	UHF m - TNC f	50 Ω		
4023202	UHF m - TNC m	50 Ω		

## From UHF jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013401	UHF f - N f	50 Ω		
3023401	UHF f - N m	50 Ω		20
4013101	UHF f - BNC f	50 Ω		
4013102	UHF f - BNC m	50 Ω		
4013201	UHF f - TNC f	50 Ω		
4013202	UHF f - TNC m	50 Ω		

## From SC plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3223101	SC m - BNC f	50 Ω		
3223301	SC m - N f	50 Ω		26
3223302	SC m - N m	50 Ω		

## From SC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3213101	SC f - BNC f	50 Ω		
3213202	SC f - TNC m	50 Ω		
3213301	SC f - N f	50 Ω		24
3213302	SC f - N m	50 Ω		25

## From HN plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
5023101	HN m - BNC f	50 Ω		
5023102	HN m - BNC m	50 Ω		
5023201	HN m - TNC f	50 Ω		
5023202	HN m - TNC m	50 Ω		
5023301	HN m - N f	50 Ω		47
5023302	HN m - N m	50 Ω		

## From HN jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
5013101	HN f - BNC f	50 Ω		
5013102	HN f - BNC m	50 Ω		
5013201	HN f - TNC f	50 Ω		
5013202	HN f - TNC m	50 Ω		
5013301	HN f - N f	50 Ω		
5013302	HN f - N m	50 Ω		

## From LC plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6023301	LC m - N f	50 Ω		
6023302	LC m - N m	50 Ω		
7013602	LC m - DIN 7/16 f	50 Ω		
7503602	LC m - EIA 1"5/8	50 Ω		111
7504602	LC m - EIA 1"5/8	50 Ω	angle 90°	
7803602	LC m - EIA 7/8"	50 Ω		113

## From LC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6013301	LC f - N f	50 Ω		104
6013302	LC f - N m	50 Ω		
7503601	LC f - EIA 1"5/8	50 Ω		63
7505601	LC f - EIA 1"5/8	50 Ω	panel mount - square flange	88
7803601	LC f - EIA 7/8"	50 Ω		112



## From THT plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
THT23301	THT m - N f	50 Ω		100
THT23302	THT m - N m	50 Ω		101

## From THT jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
THT13301	THT f - N f	50 Ω		98
THT13302	THT f - N m	50 Ω		99

## From SMA plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3323101	SMA m - BNC f	50 Ω		32
3323102	SMA m - BNC m	50 Ω		
3323201	SMA m - TNC f	50 Ω		33
3323202	SMA m - TNC m	50 Ω		
3323301	SMA m - N f	50 Ω		34
3323302	SMA m - N m	50 Ω		36
KS2213332	SMA m - SMP f	50 Ω		96

## From SMA jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313101	SMA f - BNC f	50 Ω		
3313102	SMA f - BNC m	50 Ω		
3313201	SMA f - TNC f	50 Ω		
3313202	SMA f - TNC m	50 Ω		
3313301	SMA f - N f	50 Ω		27
3313302	SMA f - N m	50 Ω		28
3313361	SMA f - SMB female contact	50 Ω		108
3313362	SMA f - SMB male contact	50 Ω		80
3313442	SMA f - F m	50 Ω		
3313921	SMA f - MCX f	50 Ω		
3313922	SMA f - MCX m	50 Ω		
3315301	SMA f - N f	50 Ω	panel mount - square flange	30
3315302	SMA f - N m	50 Ω	panel mount - square flange	
3317301	SMA f - N f	50 Ω	bulkhead	31
3513331	SMA f - SMC female contact	50 Ω		
3523331	SMA f - SMC male contact	50 Ω		105
5413331	SMA f - SMS f	50 Ω		
5713331	SMA f - SIS f	50 Ω		106
6213331	SMA f - 1.8/5.6 f	50 Ω	suitable for panel mounting	
7016331	SMA f - DIN 7/16 f	50 Ω	panel mount - square flange 32x32	85
KS2223331	SMA f - SMP m	50 Ω		107
KS3216331	SMA f - BM* f	50 Ω	Snap - In	
KS3313331	SMA f - OSP/BMA f	50 Ω		74
KS3317331	SMA f - OSP/BMA f	50 Ω	Snap - In	81
KS3323331	SMA f - OSP/BMA m	50 Ω		97

\* BM without finger mass

## From SIS jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
5713331	SIS f - SMA f	50 Ω		106

## From SMS jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
5413331	SMS f - SMA f	50 Ω		

## From SMP plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
KS2223331	SMPm - SMA f	50 Ω		107

## From SMP jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
KS2213332	SMP f - SMA m	50 Ω		96

## From SMC female contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3513301	SMC female contact - N f	50 Ω		83
3513331	SMC female contact - SMA f	50 Ω		
35231301	SMC female contact - BNC f	50 Ω		

## From SMC male contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3523101	SMC male contact - BNC f	50 Ω		
3523301	SMC male contact - N f	50 Ω		82
3523331	SMC male contact - SMA f	50 Ω		105

## From SMZ male contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9723101	SMZ male contact - BNC f	75 Ω		
9723102	SMZ male contact - BNC m	75 Ω		
9723421	SMZ male contact - 1.0/2.3 f	75 Ω		
9723422	SMZ male contact - 1.0/2.3 m	75 Ω		
9723611	SMZ male contact - 1.6/5.6 f	75 Ω		
9723612	SMZ male contact - 1.6/5.6 m	75 Ω		

## From SMZ female contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9713101	SMZ female contact - BNC f	75 Ω		71
9713102	SMZ female contact - BNC m	75 Ω		
9713421	SMZ female contact - 1.0/2.3 f	75 Ω		
9713422	SMZ female contact - 1.0/2.3 m	75 Ω		
9713611	SMZ female contact - 1.6/5.6 f	75 Ω		
9713612	SMZ female contact - 1.6/5.6 m	75 Ω		

## From SMB female contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313361	SMB female contact - SMA f	50 Ω		108

## From SMB male contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313362	SMB male contact - SMA f	50 Ω		80
3623301	SMB male contact - N f	50 Ω		

## From MCX plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313922	MCX m - SMA f	50 Ω		

## From MCX jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313921	MCX f - SMA f	50 Ω		

## From OSP/BMA plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
KS3323331	OSP/BMA m - SMA f	50 Ω		97

## From OSP/BMA jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
KS3313331	OSP/BMA f - SMA f	50 Ω		74
KS3317331	OSP/BMA f - SMA f	50 Ω	Snap - In	81
KS3216331	BM* f - SMA f	50 Ω	Snap - In	

\* BM without finger mass

## From BSM male contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3723101	BSM male contact - BNC f	75 Ω		
3723201	BSM male contact - TNC f	75 Ω		

## From F plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313442	F m - SMA f	50 Ω		
4423101	F m - BNC f	75 Ω		46
4423102	F m - BNC m	75 Ω		
44233015	F m - N f	50 Ω		93
44233017	F m - N f	75 Ω		

## From F jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
4413101	F f - BNC f	75 Ω		45
4413102	F f - BNC m	75 Ω		
44133015	F f - N f	50 Ω		91
44133017	F f - N f	75 Ω		
44133025	F f - N m	50 Ω		92
44133027	F f - N m	75 Ω		

## From MINI UHF plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013412	MINI UHF m - N f	50 Ω		
4123101	MINI UHF m - BNC f	50 Ω		

## From MINI UHF jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
4113102	MINI UHF f - BNC m	50 $\Omega$		

## From 1.0/2.3 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
4223101	1.0/2.3 m - BNC f	50 $\Omega$		41
4223102	1.0/2.3 m - BNC m	50 $\Omega$		42
4223611	1.0/2.3 m - 1.6/5.6 f	75 $\Omega$		43
4223612	1.0/2.3 m - 1.6/5.6 m	75 $\Omega$		44
4224101	1.0/2.3 m - BNC f	50 $\Omega$	right angle 90°	84
9713422	1.0/2.3 m - SMZ female contact	75 $\Omega$		
9723422	1.0/2.3 m - SMZ male contact	75 $\Omega$		

## From 1.0/2.3 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
4213101	1.0/2.3 f - BNC f	50 $\Omega$		37
4213102	1.0/2.3 f - BNC m	50 $\Omega$		38
4213611	1.0/2.3 f - 1.6/5.6 f	75 $\Omega$		39
4213612	1.0/2.3 f - 1.6/5.6 m	75 $\Omega$		40
9713421	1.0/2.3 f - SMZ female contact	75 $\Omega$		
9723421	1.0/2.3 f - SMZ male contact	75 $\Omega$		



## From 1.6/5.6 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
4213612	1.6/5.6 m - 1.0/2.3 f	75 Ω		40
4223612	1.6/5.6 m - 1.0/2.3 m	75 Ω		44
6123101	1.6/5.6 m - BNC f	75 Ω		
6123102	1.6/5.6 m - BNC m	75 Ω		
6123301	1.6/5.6 m - N f	75 Ω		51
6123302	1.6/5.6 m - N m	75 Ω		94
6124101	1.6/5.6 m - BNC f	75 Ω	right angle 90°	
6613612	1.6/5.6 m - 2.5/6 f	75 Ω		
6623612	1.6/5.6 m - 2.5/6 m	75 Ω		
6913612	1.6/5.6 m - 4.6/16 f	75 Ω		
6923612	1.6/5.6 m - 4.6/16 m	75 Ω		
9713612	1.6/5.6 m - SMZ female contact	75 Ω		
9723612	1.6/5.6 m - SMZ male contact	75 Ω		

## From 1.6/5.6 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6115301	1.6/5.6 f - N f	75 Ω	panel mount - square flange	
9713611	1.6/5.6 f - SMZ female contact	75 Ω		
9723611	1.6/5.6 f - SMZ male contact	75 Ω		
4213611 *	1.6/5.6 f - 1.0/2.3 f	75 Ω		39
4223611 *	1.6/5.6 f - 1.0/2.3 m	75 Ω		43
6113101 *	1.6/5.6 f - BNC f	75 Ω		49
6113102 *	1.6/5.6 f - BNC m	75 Ω		50
6113301 *	1.6/5.6 f - N f	75 Ω		
6113302 *	1.6/5.6 f - N m	75 Ω		
6613611 *	1.6/5.6 f - 2.5/6 f	75 Ω		
6623611 *	1.6/5.6 f - 2.5/6 m	75 Ω		
6913611 *	1.6/5.6 f - 4.6/16 f	75 Ω		
6923611 *	1.6/5.6 f - 4.6/16 m	75 Ω		

\* suitable for panel mounting

## From 1.8/5.6 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6223101	1.8/5.6 m - BNC f	50 Ω		
6223102	1.8/5.6 m - BNC m	50 Ω		
6223301	1.8/5.6 m - N f	50 Ω		
6223302	1.8/5.6 m - N m	50 Ω		

## From 1.8/5.6 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6213101 *	1.8/5.6 f - BNC f	50 Ω		
6213102 *	1.8/5.6 f - BNC m	50 Ω		
6213301 *	1.8/5.6 f - N f	50 Ω		
6213302 *	1.8/5.6 f - N m	50 Ω		
6213331 *	1.8/5.6 f - SMA f	50 Ω		

\* suitable for panel mounting

## From 2.5/6 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6623101	2.5/6 m - BNC f	75 Ω		
6623102	2.5/6 m - BNC m	75 Ω		
6623611	2.5/6 m - 1.6/5.6 f	75 Ω		
6623612	2.5/6 m - 1.6/5.6 m	75 Ω		

## From 2.5/6 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6613101	2.5/6 f - BNC f	75 Ω		
6613102	2.5/6 f - BNC m	75 Ω		
6613611	2.5/6 f - 1.6/5.6 f	75 Ω		
6613612	2.5/6 f - 1.6/5.6 m	75 Ω		

## From 4.1/9.5 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6823301	4.1/9.5 m - N f	50 Ω		54
6823302	4.1/9.5 m - N m	50 Ω		
7013682	4.1/9.5 m - DIN 7/16 f	50 Ω		57
7403682	4.1/9.5 m - DIN 7/16 Flange	50 Ω		

## From 4.1/9.5 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6813301	4.1/9.5 f - N f	50 Ω		52
6813302	4.1/9.5 f - N m	50 Ω		53
7023681	4.1/9.5 f - DIN 7/16 m	50 Ω		60

## From 4.6/16 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6923301	4.6/16 m - N f	75 Ω		
6923302	4.6/16 m - N m	75 Ω		
6923611	4.6/16 m - 1.6/5.6 f	75 Ω		
6923612	4.6/16 m - 1.6/5.6 m	75 Ω		

## From 4.6/16 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6913301	4.6/16 f - N f	75 Ω		
6913302	4.6/16 f - N m	75 Ω		
6913611	4.6/16 f - 1.6/5.6 f	75 Ω		
6913612	4.6/16 f - 1.6/5.6 m	75 Ω		

## From DIN 7/16 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7023301	DIN 7/16 m - N f	50 Ω		58
7023302	DIN 7/16 m - N m	50 Ω		59
7023681	DIN 7/16 m - 4.1/9.5 f	50 Ω		60
7503702	DIN 7/16 m - EIA 1"5/8	50 Ω		65
7504702	DIN 7/16 m - EIA 1"5/8	50 Ω	angle 90°	
7803702	DIN 7/16 m - EIA 7/8"	50 Ω		69

## From DIN 7/16 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7013301	DIN 7/16 f - N f	50 Ω		55
7013302	DIN 7/16 f - N m	50 Ω		56
7013602	DIN 7/16 f - N m	50 Ω		
7013682	DIN 7/16 f - 4.1/9.5 m	50 Ω		57
7015301	DIN 7/16 f - N f	50 Ω	panel mount - square flange	
7016331	DIN 7/16 f - SMA f	50 Ω	panel mount - square flange 32x32	85
7113701	DIN 7/16 f - 13/30 Siem. female cont	50 Ω		
7123701	DIN 7/16 f - 13/30 Siem. female cont	50 Ω		109
7503701	DIN 7/16 f - EIA 1"5/8	50 Ω		64
7803701	DIN 7/16 f - EIA 7/8"	50 Ω		68

## From DIN 7/16 Flange to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7403301	DIN 7/16 Flange - N f	50 Ω		61
7403302	DIN 7/16 Flange - N m	50 Ω		
7403682	DIN 7/16 Flange - 4.1/9.5 m	50 Ω		

## From UER Flange to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
UER7023301	UER Flange m - N f	50 Ω		77

## From 13/30 Siemens male contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7123780	13/30 Siem. male cont. - EIA 7/8"	50 Ω		110
7123701	13/30 Siem. male cont. - DIN 7/16 f	50 Ω		109

## From 13/30 Siemens female contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7113302	13/30 Siem. fem. cont. - N m	50 Ω		
7113701	13/30 Siem. fem. cont.- DIN 7/16 f	50 Ω		

## From 13/30 M50 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
7223780	13/30 M50 m - EIA 7/8"	50 Ω		110
7503722	13/30 M50 m - EIA 1"5/8	50 Ω		

## From 25/58 male contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6323730	25/58 male contact - EIA 3"1/8	50 Ω		
6323750	25/58 male contact - EIA 1"5/8	50 Ω		

## From 25/58 female contact to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
6313730	25/58 female contact - EIA 3"1/8	50 Ω		87
6313750	25/58 female contact - EIA 1"5/8	50 Ω		

## From EIA 7/8" to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
730378	EIA 7/8" - EIA 3"1/8	50 Ω		
750378	EIA 7/8" - EIA 1"5/8	50 Ω		3
780478	EIA 7/8" ⊥ EIA 7/8"	50 Ω	right angle 90°	5
7123780	EIA 7/8" - 13/30 Siem. male cont	50 Ω		110
7803301	EIA 7/8" - N f	50 Ω		66
7803302	EIA 7/8" - N m	50 Ω		67
7803601	EIA 7/8" - LC f	50 Ω		112
7803602	EIA 7/8" - LC m	50 Ω		113
7803701	EIA 7/8" - DIN 7/16 f	50 Ω		68
7803702	EIA 7/8" - DIN 7/16 m	50 Ω		69
7805301	EIA 7/8" - N f	50 Ω	panel mount - square flange 32x32	89
7807301	EIA 7/8" - N f	50 Ω	bulkhead	70
730378C	EIA 7/8" - EIA 3"1/8	50 Ω	conical - low loss	
750378C	EIA 7/8" - EIA 1"5/8	50 Ω	conical - low loss	4

## From EIA 1"5/8 to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
730375	EIA 1"5/8 - EIA 3"1/8	50 Ω		
750378	EIA 1"5/8 - EIA 7/8"	50 Ω		3
6313750	EIA 1"5/8 - 25/58 female contact	50 Ω		
6323750	EIA 1"5/8 - 25/58 male contact	50 Ω		
7303722	EIA 1"5/8 - 13/30M50 m	50 Ω		
7503301	EIA 1"5/8 - N f	50 Ω		62
7503302	EIA 1"5/8 - N m	50 Ω		
7503601	EIA 1"5/8 - LC f	50 Ω		63
7503602	EIA 1"5/8 - LC m	50 Ω		
7503701	EIA 1"5/8 - DIN 7/16 f	50 Ω		64
7503702	EIA 1"5/8 - DIN 7/16 m	50 Ω		65
7504602	EIA 1"5/8 - LC m	50 Ω	angle 90°	
7504702	EIA 1"5/8 - DIN 7/16 m	50 Ω	angle 90°	
7505601	EIA 1"5/8 - LC f	50 Ω	panel mount - square flange	88
730375C	EIA 1"5/8 - EIA 3"1/8	50 Ω	conical - low loss	2
750378C	EIA 1"5/8 - EIA 7/8"	50 Ω	conical - low loss	4
75x478	EIA 1"5/8 - EIA 7/8"	50 Ω	1"5/8 with 4 7/8" outputs	

## From EIA 3"1/8 to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
490373	EIA 3"1/8 - EIA 4"1/2	50 Ω		75
730375	EIA 3"1/8 - EIA 1"5/8	50 Ω		
730378	EIA 3"1/8 - EIA 7/8"	50 Ω		
860373	EIA 3"1/8 - EIA 6"1/8	50 Ω		7
6313730	EIA 3"1/8 - 25/58 female contact	50 Ω		87
6323730	EIA 3"1/8 - 25/58 male contact	50 Ω		
7303301	EIA 3"1/8 - N f	50 Ω		86
480373C	EIA 3"1/8 - EIA 4"1/8	50 Ω	conical - low loss	
730375C	EIA 3"1/8 - EIA 1"5/8	50 Ω	conical - low loss	2
730378C	EIA 3"1/8 - EIA 7/8"	50 Ω	conical - low loss	
73x475	EIA 3"1/8 - EIA 1"5/8	50 Ω	3"1/8 with 4 1" 5/8 outputs	
860373C	EIA 3"1/8 - EIA 6"1/8	50 Ω	conical - low loss	



## From EIA 4"1/8 to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
480373C	EIA 4"1/8 - EIA 3"1/8	50 Ω	conical - low loss	
860348C	EIA 4"1/8 - EIA 6"1/8	50 Ω	conical - low loss	6

## From EIA 4"1/2 to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
490373	EIA 4"1/2 - EIA 3"1/8	50 Ω		75

## From EIA 6"1/8 to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
860373	EIA 6"1/8 - EIA 3"1/8	50 Ω		7
860348C	EIA 6"1/8 - EIA 4"1/8	50 Ω	conical - low loss	6
860373C	EIA 6"1/8 - EIA 3"1/8	50 Ω	conical - low loss	

# PRECISION ADAPTERS



## From BNC plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013102LV	BNC m - N f	50 $\Omega$	stainless steel - DC-4 GHz	76

## From BNC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3023101LV	BNC f - N m	50 $\Omega$	stainless steel - DC-4 GHz	79

## From TNC plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013202LV	TNC m - N f	50 $\Omega$	stainless steel - DC-18 GHz	102

## From TNC jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3017201LV	TNC f - N f	50 $\Omega$	bulkhead - stainless steel DC-12,4 GHz	78
ELT3323201	TNC f - SMA m	50 $\Omega$	stainless steel - DC-18 GHz	95

## From N plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3023101LV	N m - BNC f	50 Ω	stainless steel - DC-4 GHz	79
3313302LV	N m - SMA f	50 Ω	stainless steel - DC-18 GHz	29
3323302LV	N m - SMA m	50 Ω	stainless steel - DC-18 GHz	
9013302LV	N m - K f	50 Ω	stainless steel - DC-18 GHz	
9023302LV	N m - K m	50 Ω	stainless steel - DC-18 GHz	
9513302LV	N m - PC3.5 f	50 Ω	stainless steel - DC-18 GHz	
9523302LV	N m - PC3.5 m	50 Ω	stainless steel - DC-18 GHz	
9603302LV	N m - PC7	50 Ω	stainless steel - DC-18 GHz	

## From N jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3013102LV	N f - BNC m	50 Ω	stainless steel - DC-4 GHz	76
3013202LV	N f - TNC m	50 Ω	stainless steel - DC-18 GHz	102
3017201LV	N f - TNC f	50 Ω	bulkhead -stainless steel - DC-12,4 GHz	78
3313301LV	N f - SMA f	50 Ω	stainless steel - DC-18 GHz	
3323301LV	N f - SMA m	50 Ω	stainless steel - DC-18 GHz	35
9013301LV	N f - K f	50 Ω	stainless steel - DC-18 GHz	
9023301LV	N f - K m	50 Ω	stainless steel - DC-18 GHz	
9513301LV	N f - PC3.5 f	50 Ω	stainless steel - DC-18 GHz	
9523301LV	N f - PC3.5 m	50 Ω	stainless steel - DC-18 GHz	
9603301LV	N f - PC7	50 Ω	stainless steel - DC-18 GHz	

## From SMA plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3323301LV	SMA m - N f	50 Ω	stainless steel - DC-18 GHz	35
3323302LV	SMA m - N m	50 Ω	stainless steel - DC-18 GHz	
9603332LV	SMA m - PC7	50 Ω	stainless steel - DC-18 GHz	
ELT3323201	SMA m - TNC f	50 Ω	stainless steel - DC-18 GHz	95

## From SMA jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
3313301LV	SMA f - N f	50 Ω	stainless steel - DC-18 GHz	
3313302LV	SMA f - N m	50 Ω	stainless steel - DC-18 GHz	29
9603331LV	SMA f - PC7	50 Ω	stainless steel - DC-18 GHz	

## From K plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9023301LV	K m - N f	50 Ω	stainless steel - DC-18 GHz	
9023302LV	K m - N m	50 Ω	stainless steel - DC-18 GHz	
9023901LV	K m - K f	50 Ω	stainless steel - DC-40 GHz	
9023902LV	K m - K m	50 Ω	stainless steel - DC-40 GHz	

## From K jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9013301LV	K f - N f	50 Ω	stainless steel - DC-18 GHz	
9013302LV	K f - N m	50 Ω	stainless steel - DC-18 GHz	
9013901LV	K f - K f	50 Ω	stainless steel - DC-40 GHz	
9023901LV	K f - K m	50 Ω	stainless steel - DC-40 GHz	

## From PC3.5 plug (m) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9523301LV	PC3.5 m - N f	50 Ω	stainless steel - DC-18 GHz	
9523302LV	PC3.5 m - N m	50 Ω	stainless steel - DC-18 GHz	
9523951LV	PC3.5 m - PC3.5 f	50 Ω	stainless steel - DC-32 GHz	
9523952LV	PC3.5 m - PC3.5 m	50 Ω	stainless steel - DC-32 GHz	

## From PC3.5 jack (f) to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9517951	PC3.5 f - PC3.5 f	50 Ω	panel mount	103
9513301LV	PC3.5 f - N f	50 Ω	stainless steel - DC-18 GHz	
9513302LV	PC3.5 f - N m	50 Ω	stainless steel - DC-18 GHz	
9513951LV	PC3.5 f - PC3.5 f	50 Ω	stainless steel - DC-32 GHz	
9523951LV	PC3.5 f - PC3.5 m	50 Ω	stainless steel - DC-32 GHz	
KS2223951	PC3.5 f - SMP m	50 Ω	stainless steel - DC-32 GHz	

## From PC7 to ...

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>OHM</i>	<i>Notes</i>	<i>Fig.</i>
9603301LV	PC7 - N f	50 $\Omega$	stainless steel - DC-18 GHz	
9603302LV	PC7 - N m	50 $\Omega$	stainless steel - DC-18 GHz	
9603331LV	PC7 - SMA f	50 $\Omega$	stainless steel - DC-18 GHz	
9603332LV	PC7 - SMA m	50 $\Omega$	stainless steel - DC-18 GHz	

# DRAWINGS COAXIAL ADAPTERS

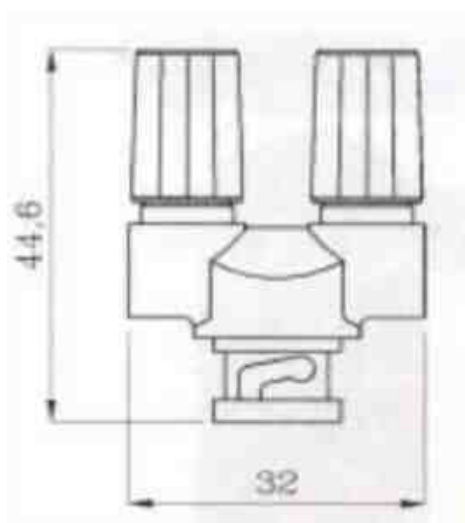
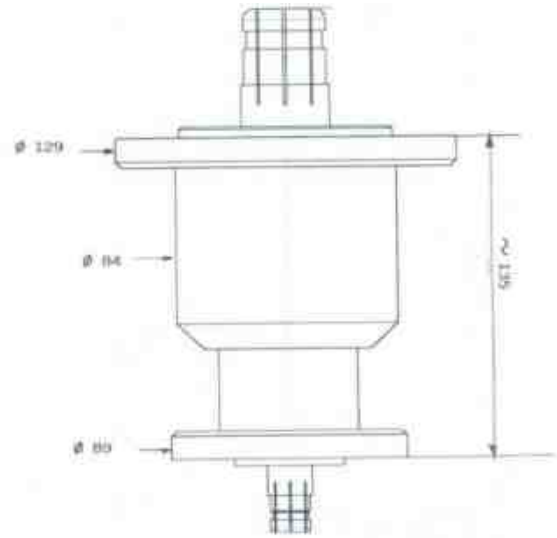


Fig.1

P/N 1020-BAN



P/N 730375C

Fig.2

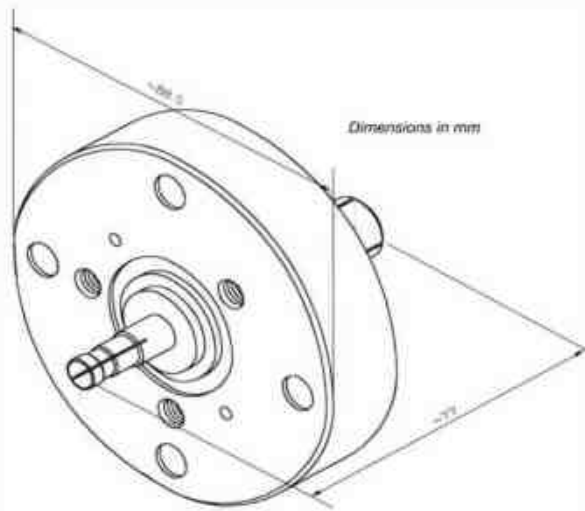
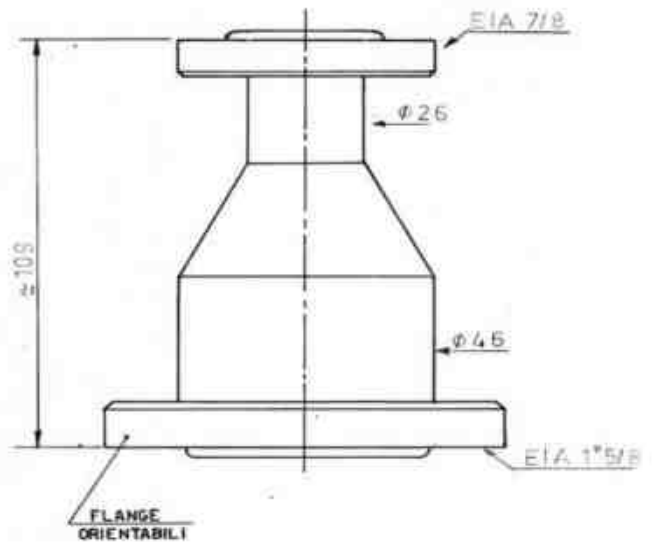


Fig.3

P/N 750378



P/N 750378C

Fig.4

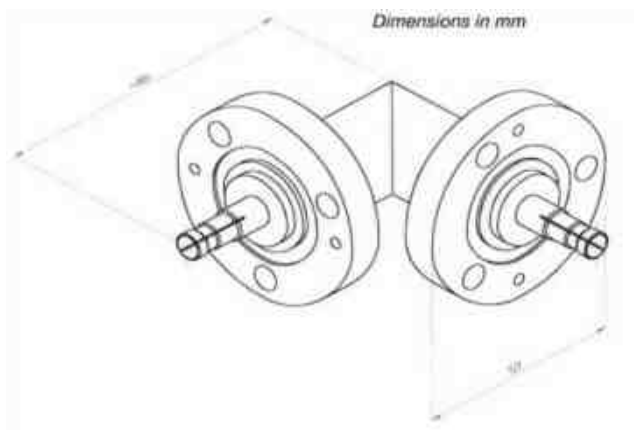
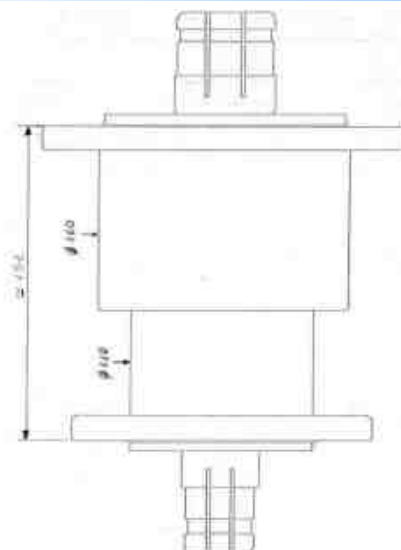


Fig.5

P/N 780478

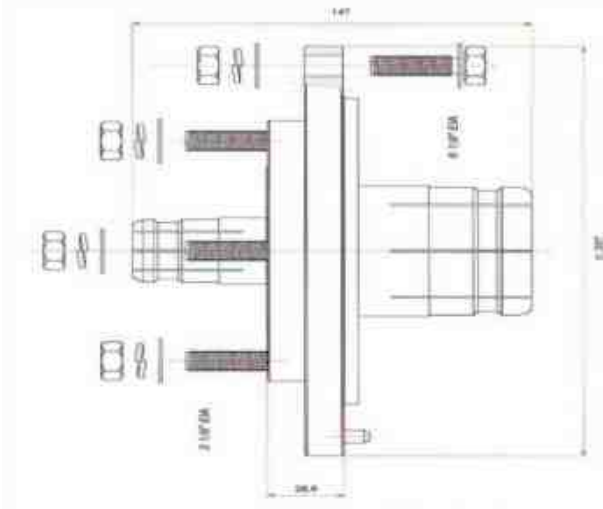


P/N 860348C

Fig.6

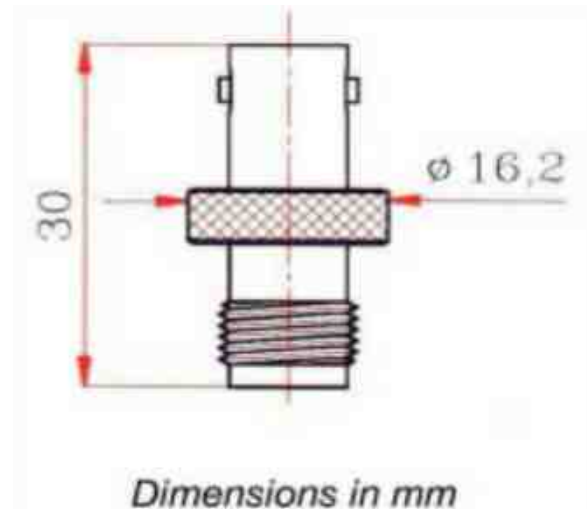


## DRAWINGS COAXIAL ADAPTERS



**Fig.7**

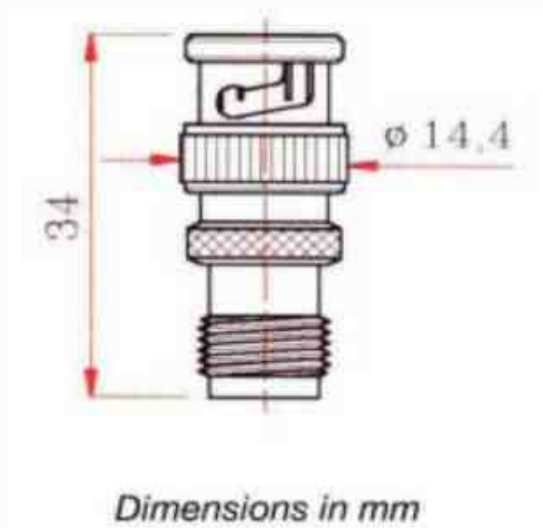
**P/N 860373**



**P/N 2013101**

**Fig.8**

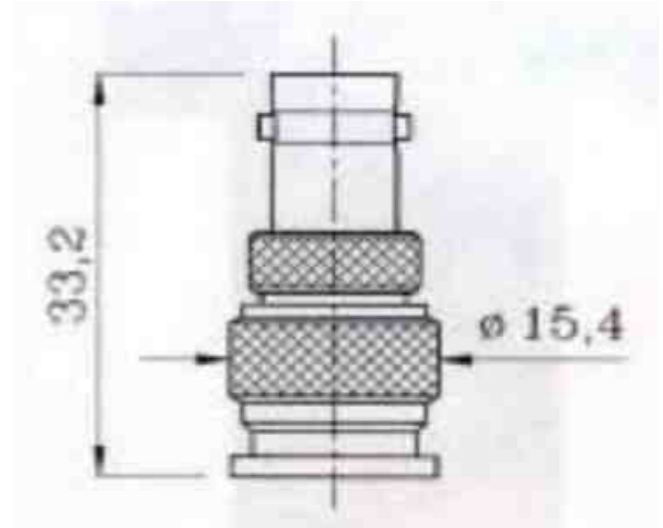
*Dimensions in mm*



**Fig.9**

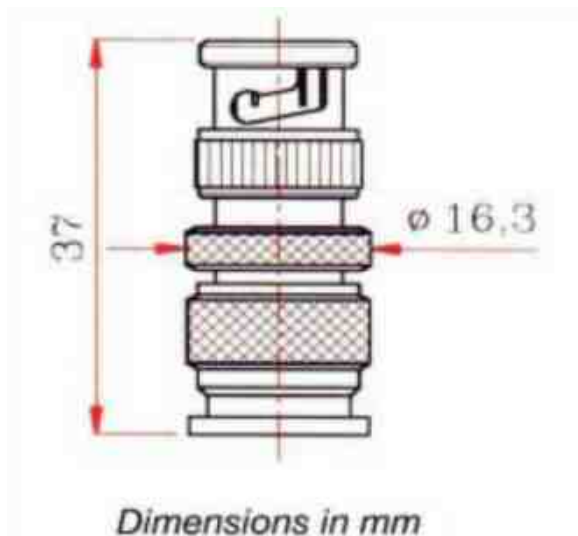
**P/N 2013102**

*Dimensions in mm*



**P/N 2023101**

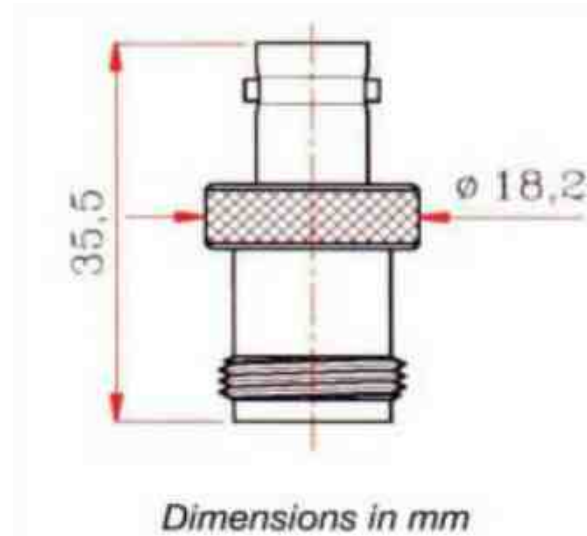
**Fig.10**



**Fig.11**

**P/N 2023102**

*Dimensions in mm*

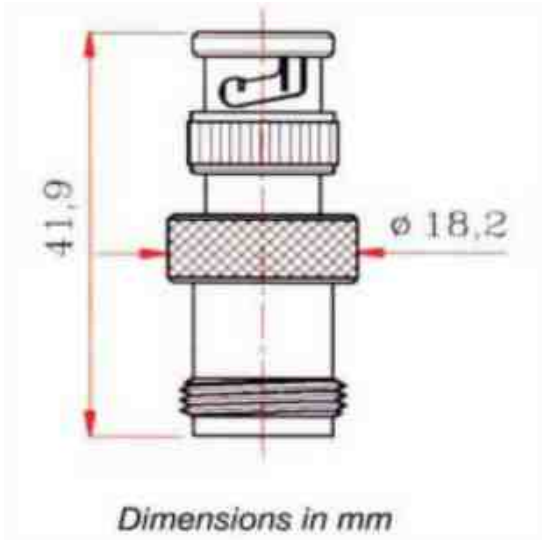


**P/N 3013101**

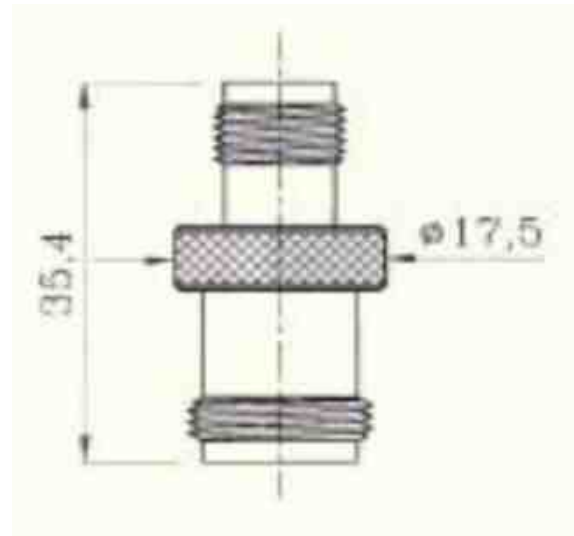
**Fig.12**

*Dimensions in mm*

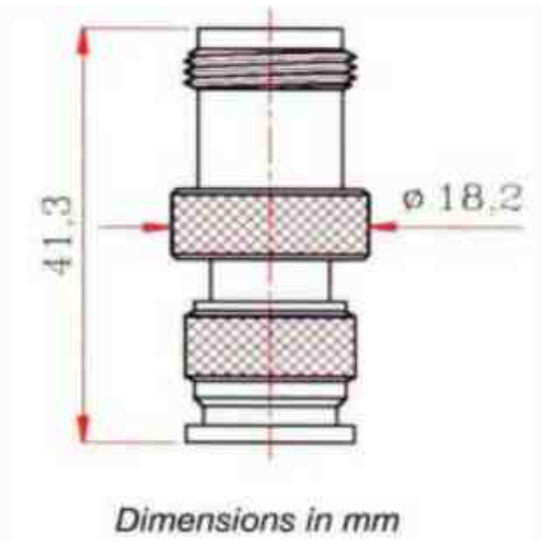
# DRAWINGS COAXIAL ADAPTERS



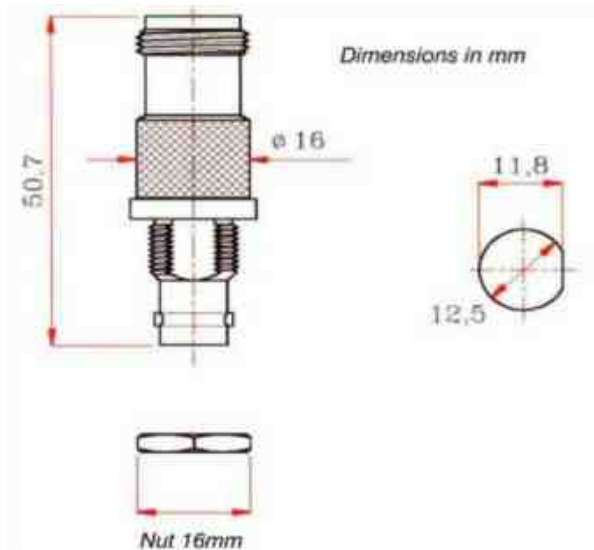
**Fig.13** P/N 3013102



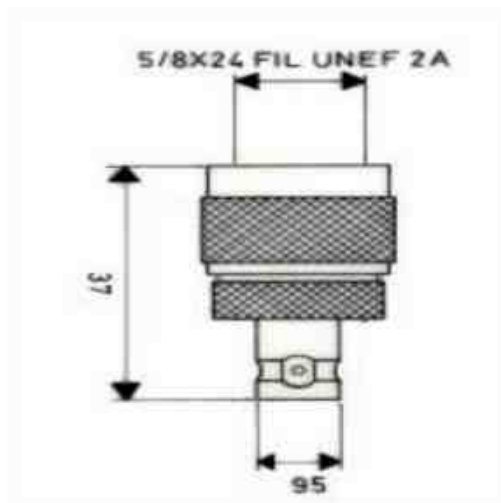
P/N 3013201 **Fig.14**



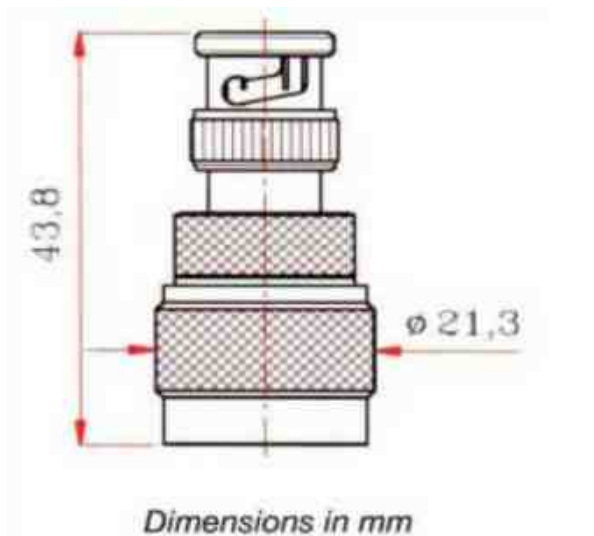
**Fig.15** P/N 3013202



P/N 3017101 **Fig.16**



**Fig.17** P/N 3023101



P/N 3023102 **Fig.18**

# DRAWINGS COAXIAL ADAPTERS

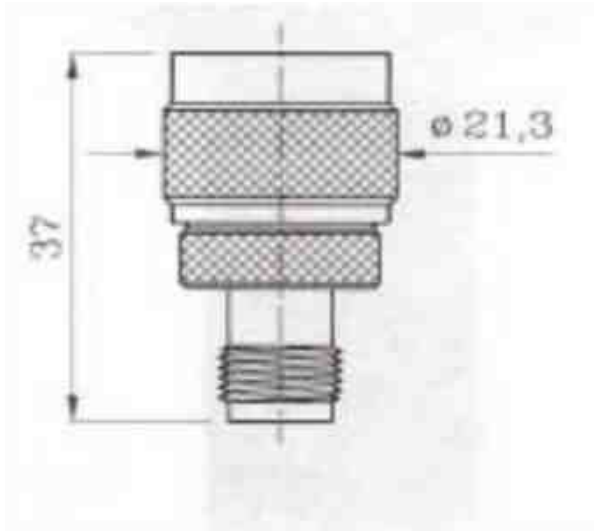
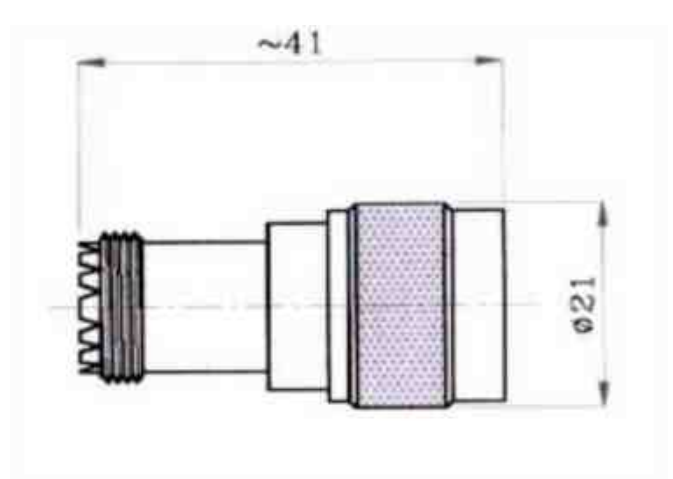


Fig.19

P/N 3023201



P/N 3023401

Fig.20

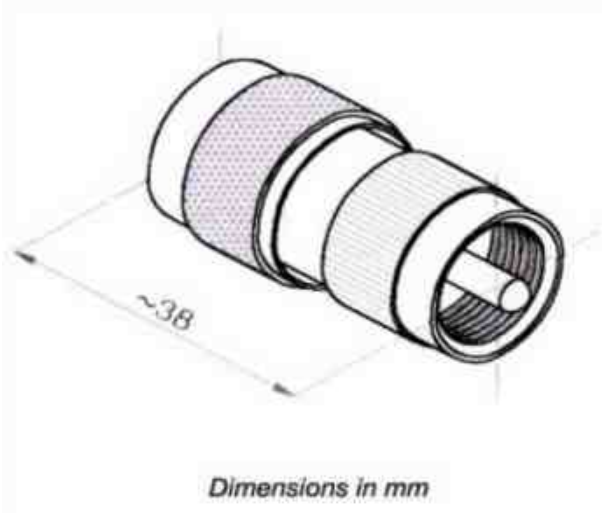
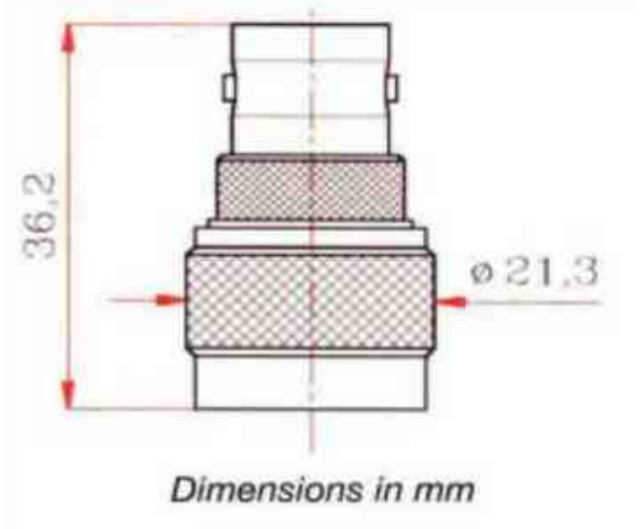


Fig.21

P/N 3023402



P/N 3113302

Fig.22

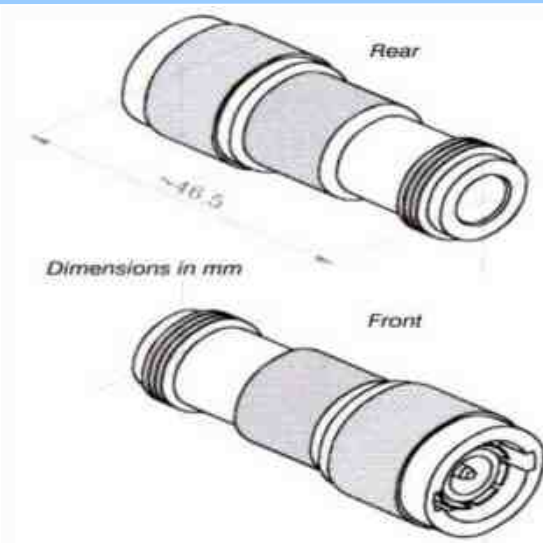
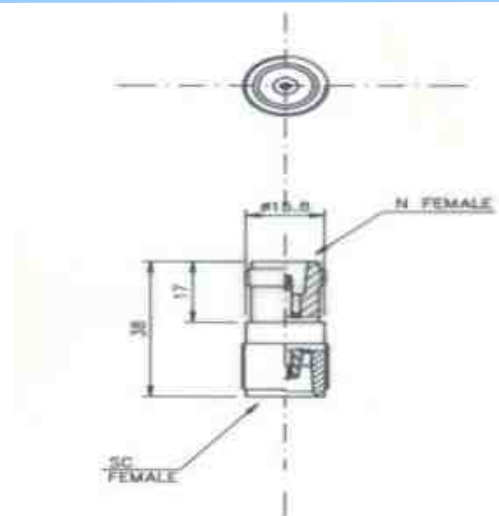


Fig.23

P/N 3123301



P/N 3213301

Fig.24

# DRAWINGS COAXIAL ADAPTERS

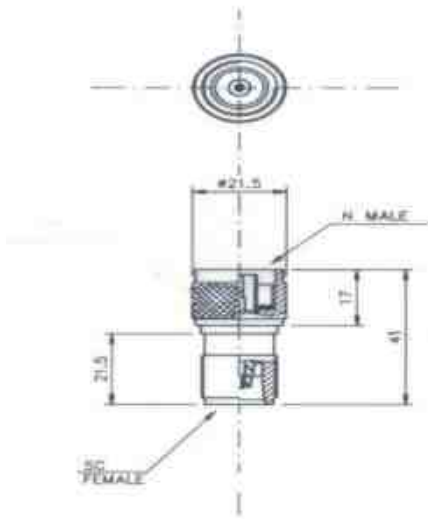
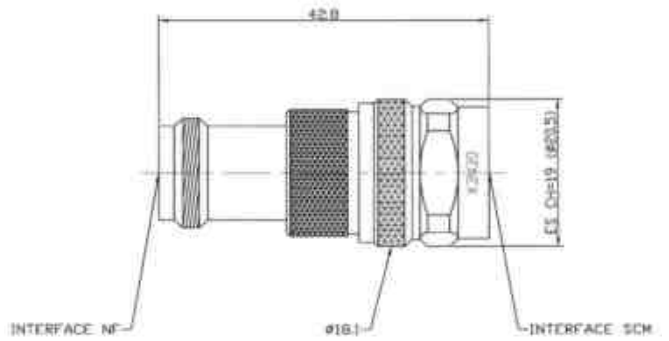


Fig.25

P/N 3213302



P/N 3223301

Fig.26

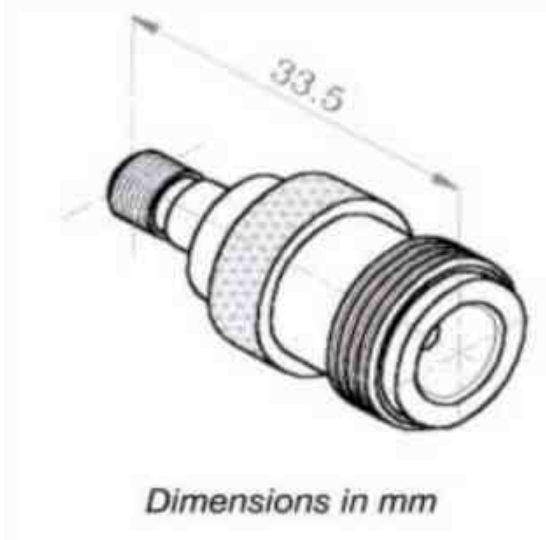
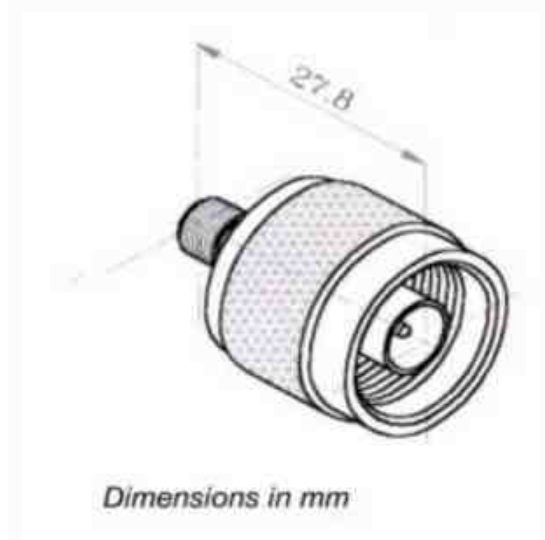


Fig.27

P/N 3313301



P/N 3313302

Fig.28

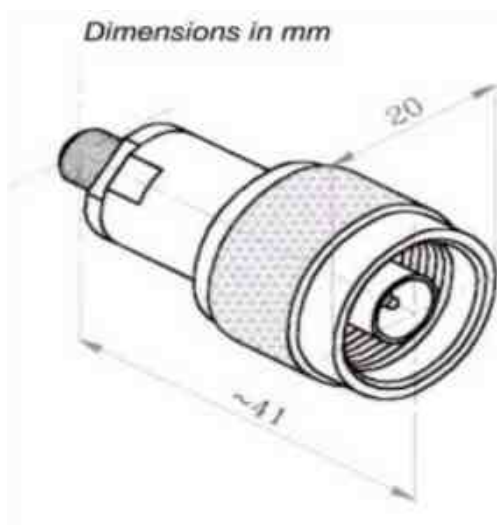
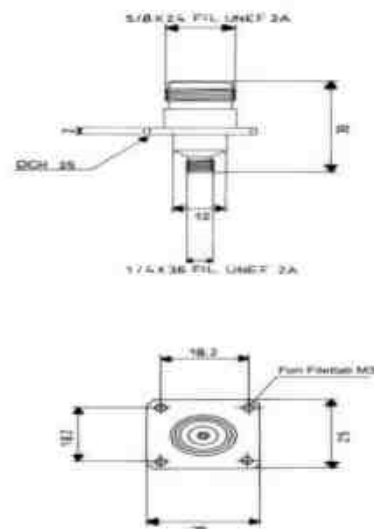


Fig.29

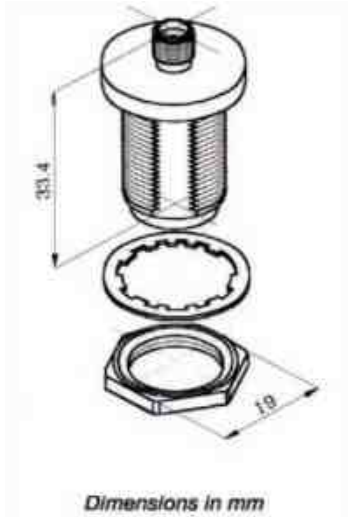
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P/N 3315301

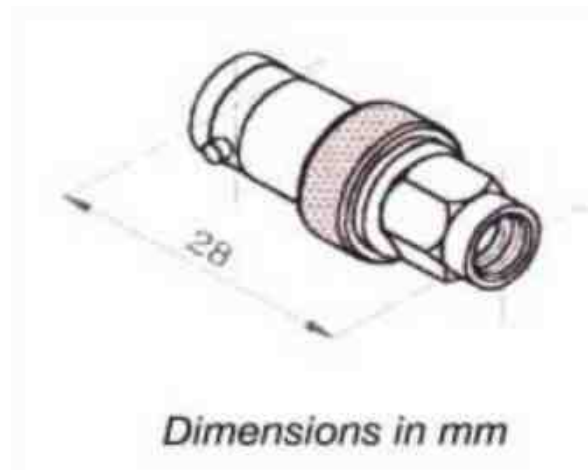
Fig.30

## DRAWINGS COAXIAL ADAPTERS



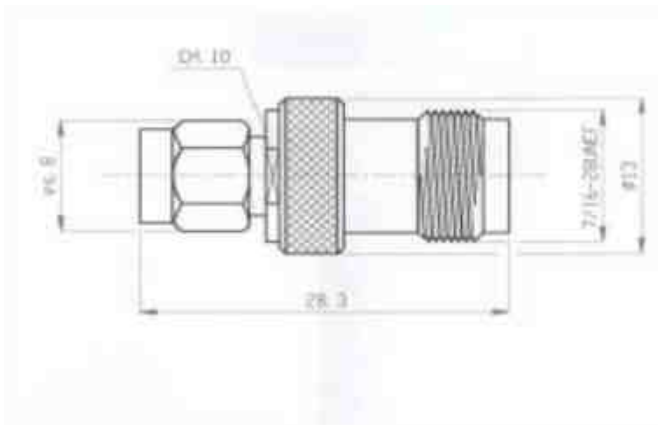
**Fig.31**

**P/N 3317301**



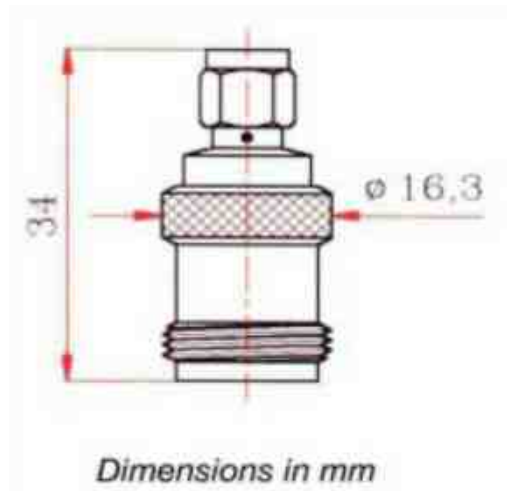
**P/N 3323101**

**Fig.32**



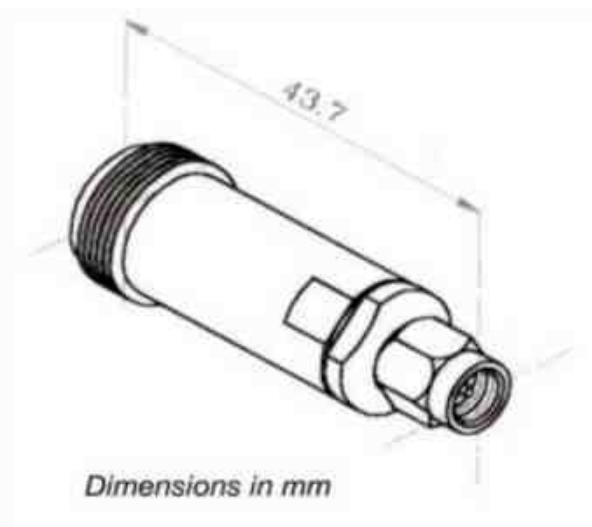
**Fig.33**

**P/N 3323201**



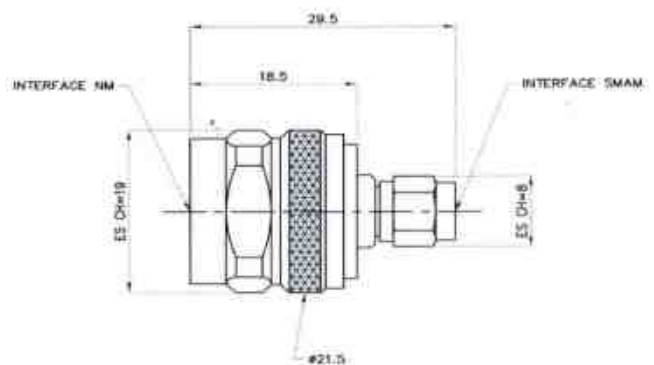
**P/N 3323301**

**Fig.34**



**Fig.35**

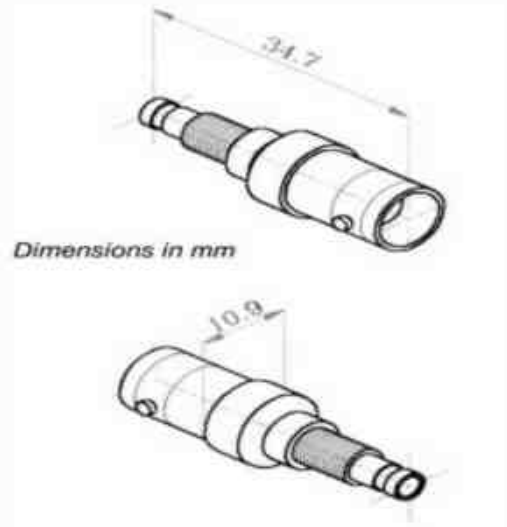
**P/N 3323301LV**



**P/N 3323302**

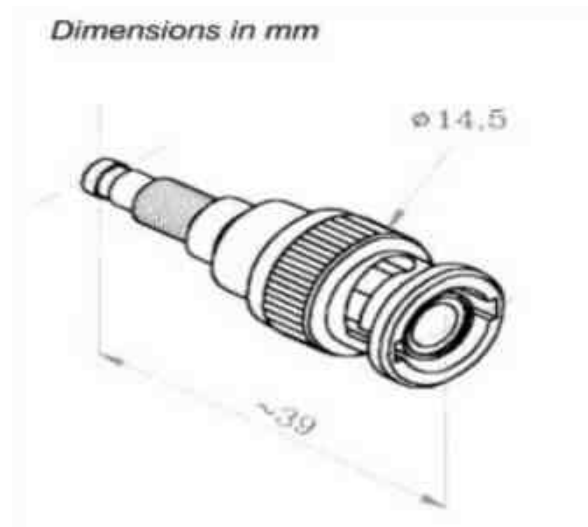
**Fig.36**

## DRAWINGS COAXIAL ADAPTERS



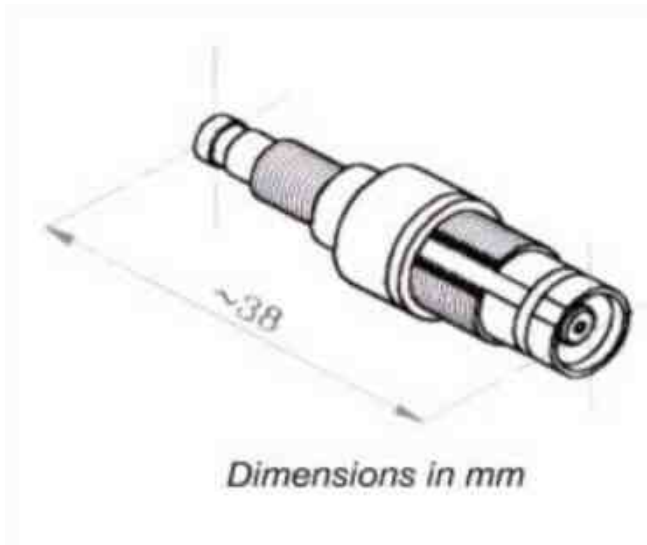
**Fig.37**

**P/N 4213101**



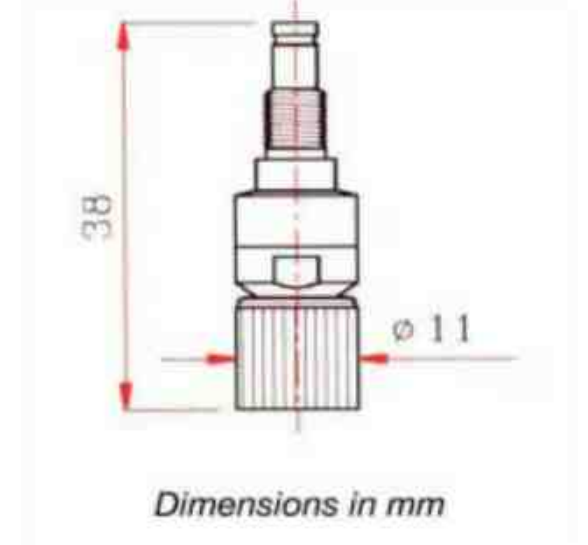
**P/N 4213102**

**Fig.38**



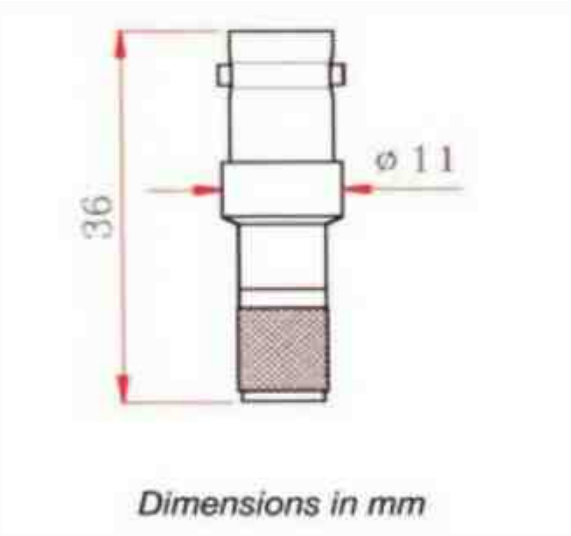
**Fig.39**

**P/N 4213611**



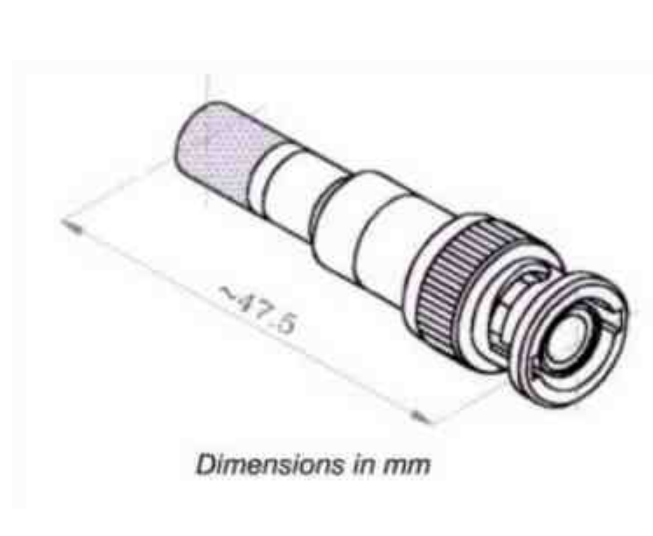
**P/N 4213612**

**Fig.40**



**Fig.41**

**P/N 4223101**

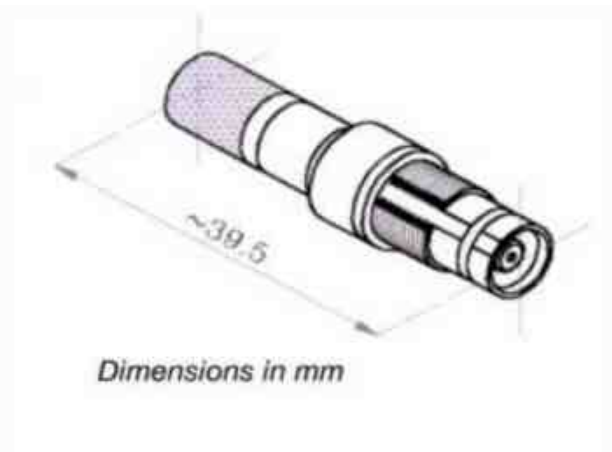


**P/N 4223102**

**Fig.42**

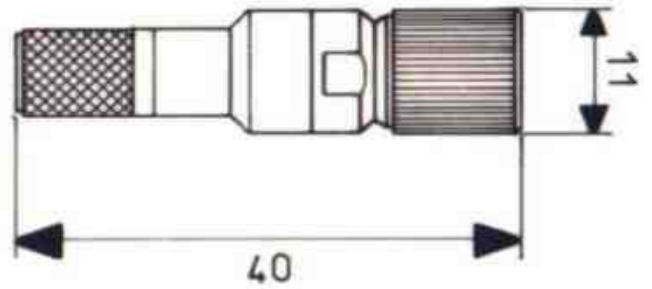


## DRAWINGS COAXIAL ADAPTERS



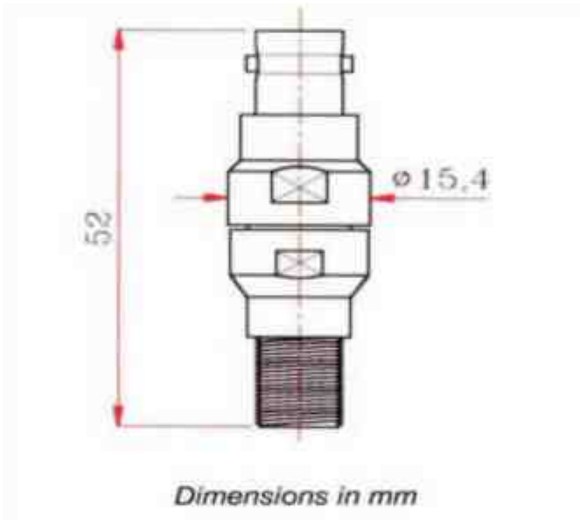
**Fig.43**

**P/N 4223611**



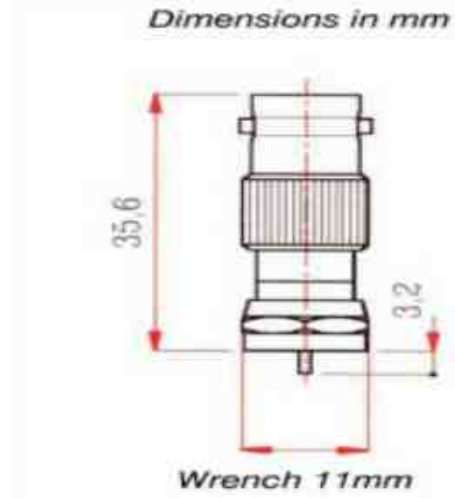
**P/N 4223612**

**Fig.44**



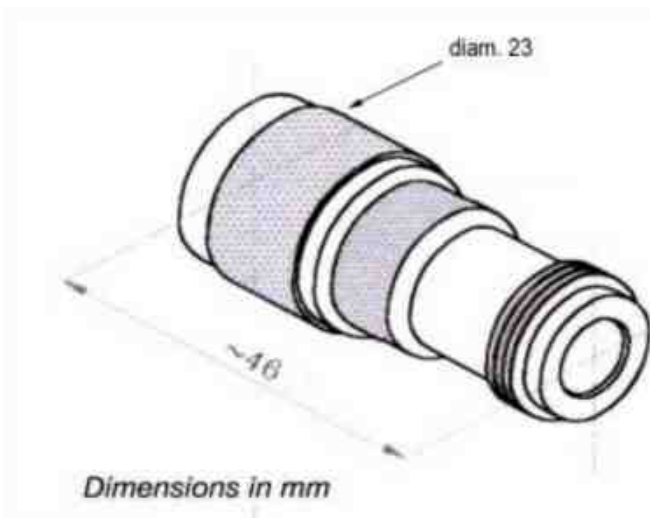
**Fig.45**

**P/N 4413101**



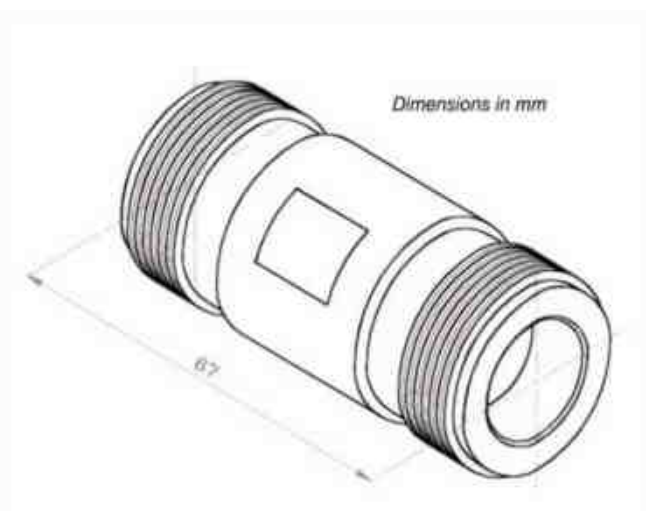
**P/N 4423101**

**Fig.46**



**Fig.47**

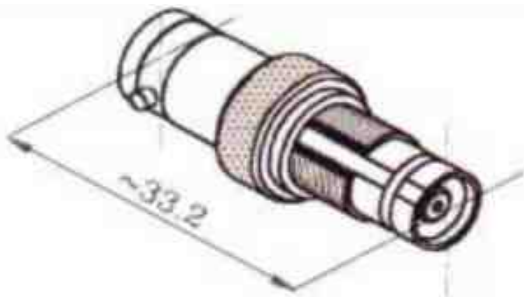
**P/N 5023301**



**P/N 6013601**

**Fig.48**

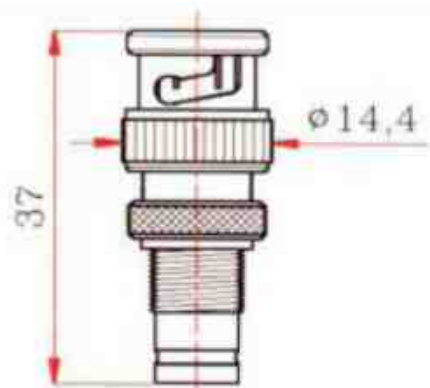
## DRAWINGS COAXIAL ADAPTERS



*Dimensions in mm*

**Fig.49**

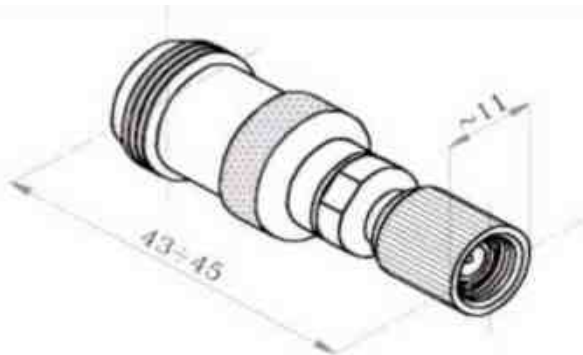
**P/N 6113101**



*Dimensions in mm*

**P/N 6113102**

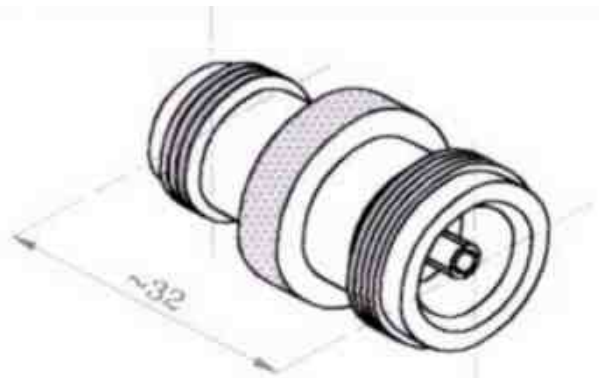
**Fig.50**



*Dimensions in mm*

**Fig.51**

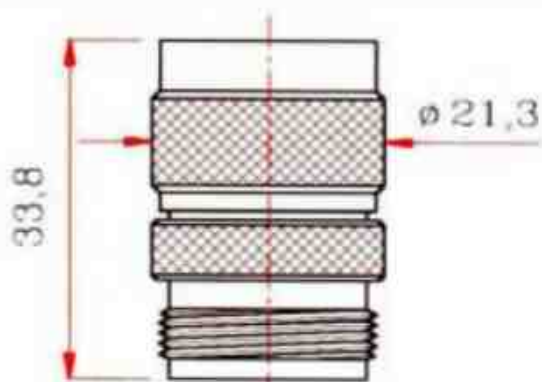
**P/N 6123301**



*Dimensions in mm*

**P/N 6813301**

**Fig.52**



*Dimensions in mm*

**Fig.53**

**P/N 6813302**



*Dimensions in mm*

**P/N 6823301**

**Fig.54**



# DRAWINGS COAXIAL ADAPTERS

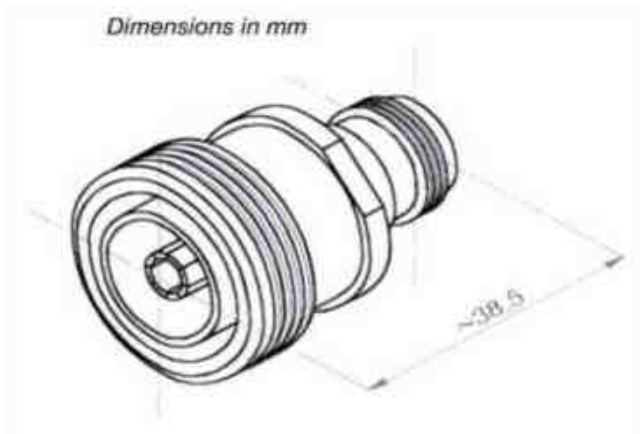
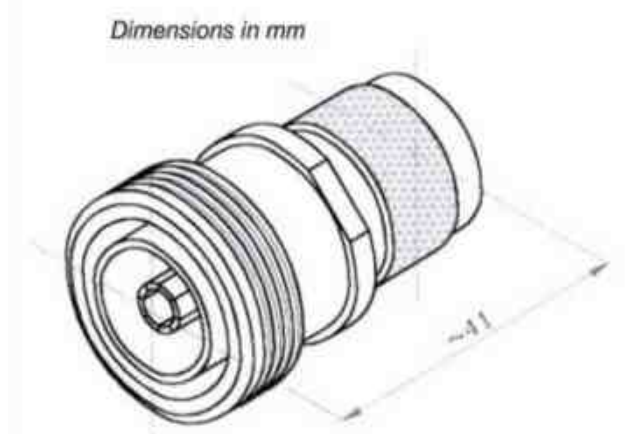


Fig.55

P/N 7013301



P/N 7013302

Fig.56

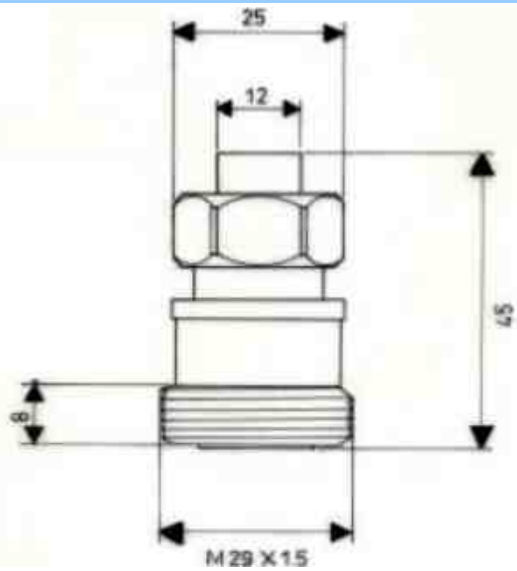
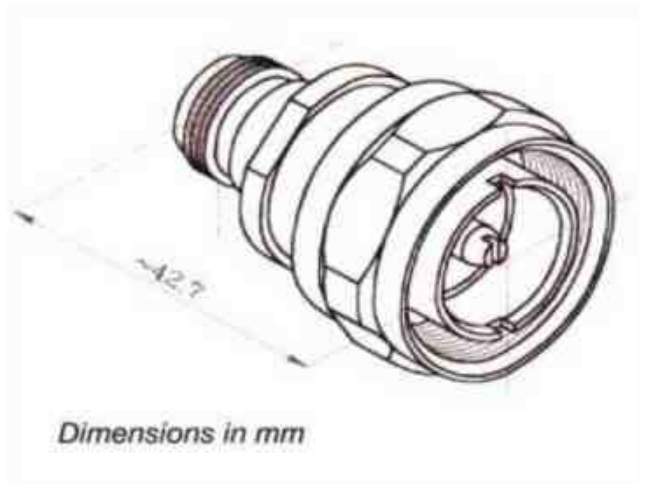


Fig.57

P/N 7013682



P/N 7023301

Fig.58

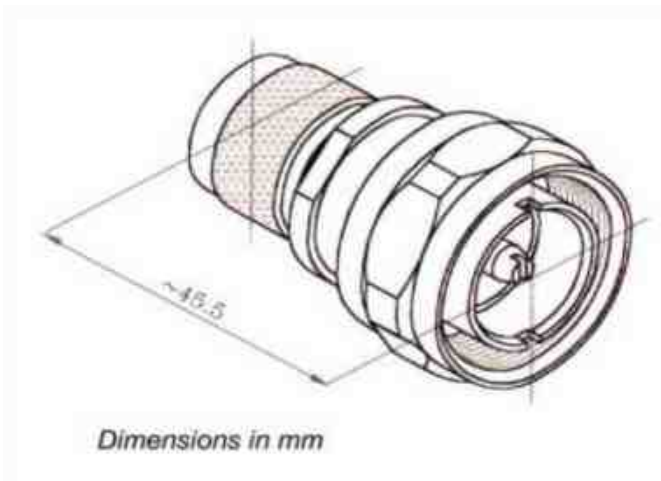
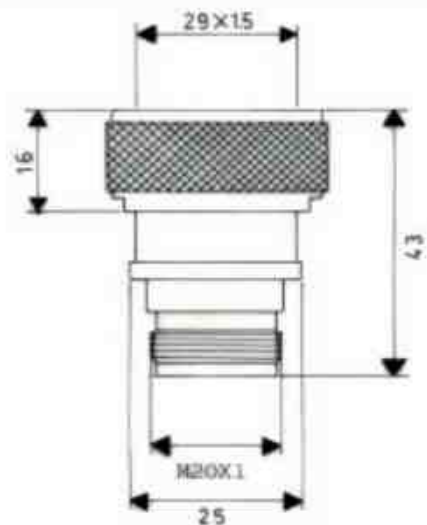


Fig.59

P/N 7023302



P/N 7023681

Fig.60

# DRAWINGS COAXIAL ADAPTERS

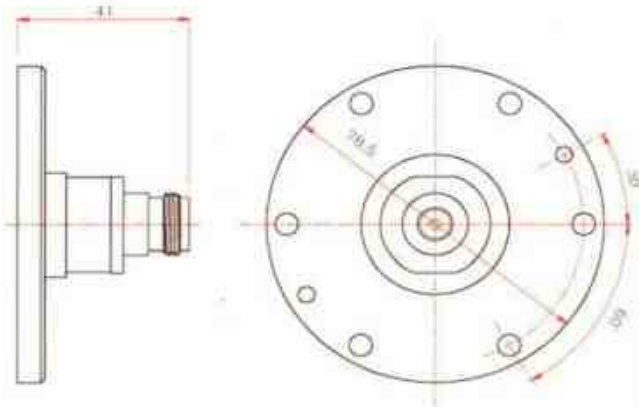


Fig.61

P/N 7403301



P/N 7503301

Fig.62

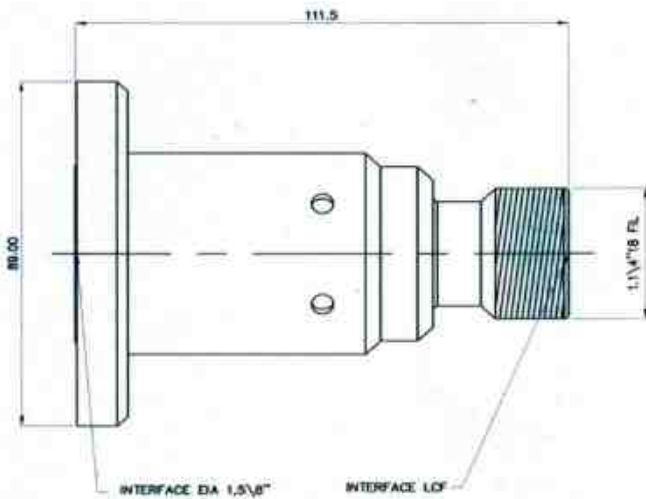
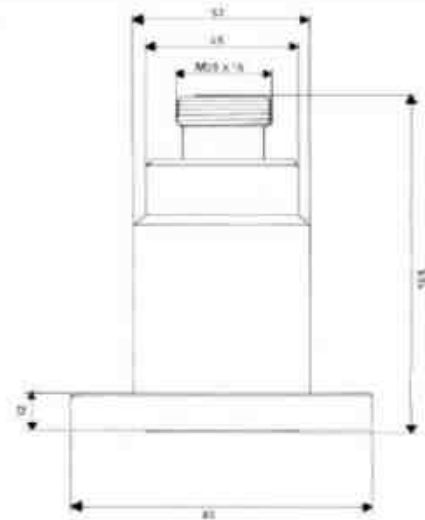


Fig.63

P/N 7503601



P/N 7503701

Fig.64

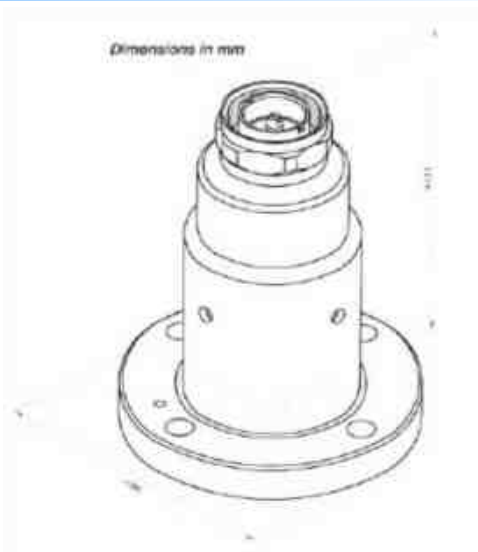
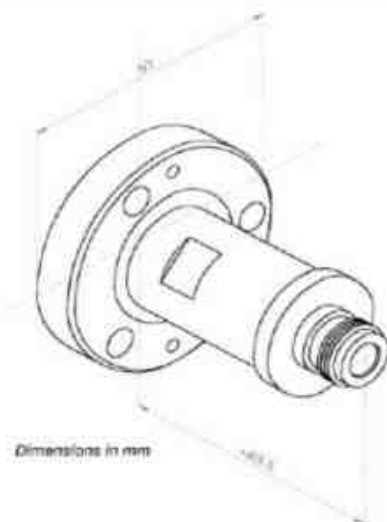


Fig.65

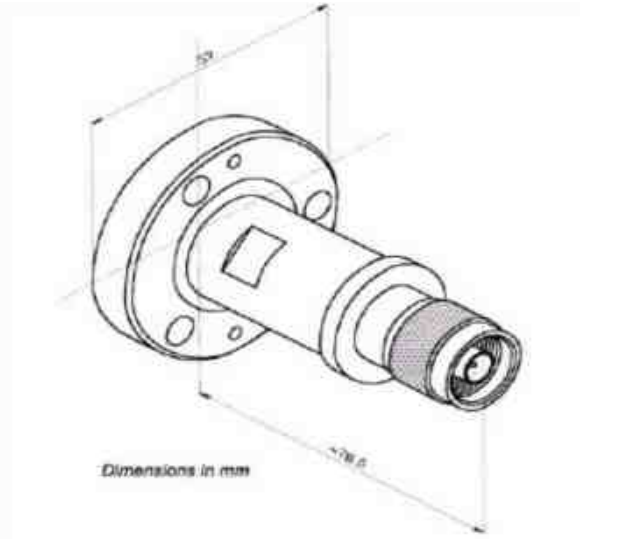
P/N 7503702



P/N 7803301

Fig.66

## DRAWINGS COAXIAL ADAPTERS



**Fig.67**

**P/N 7803302**



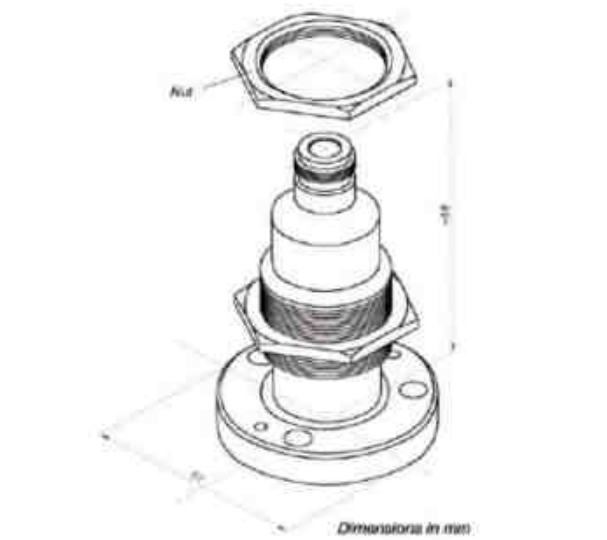
**P/N 7803701**

**Fig.68**



**Fig.69**

**P/N 7803702**



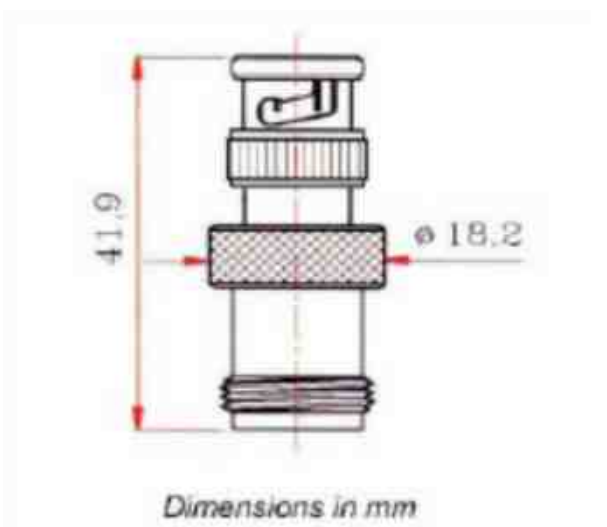
**P/N 7807301**

**Fig.70**



**Fig.71**

**P/N 9713101**



**P/N 30131027**

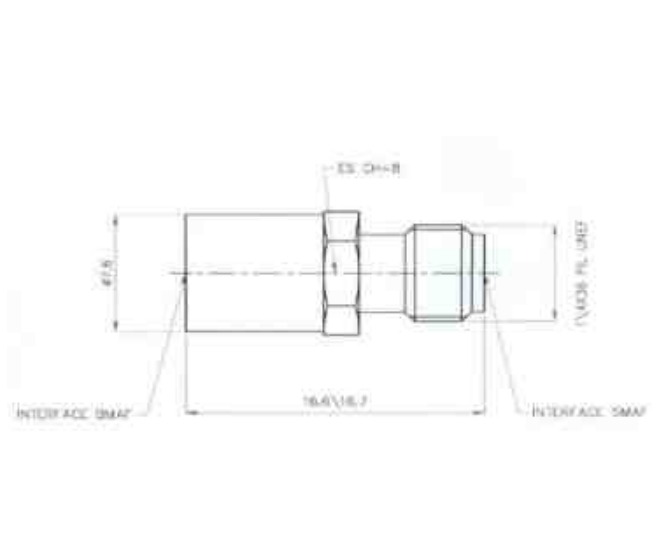
**Fig.72**

# DRAWINGS COAXIAL ADAPTERS



Fig.73

P/N 30171017



P/N KS3313331

Fig.74

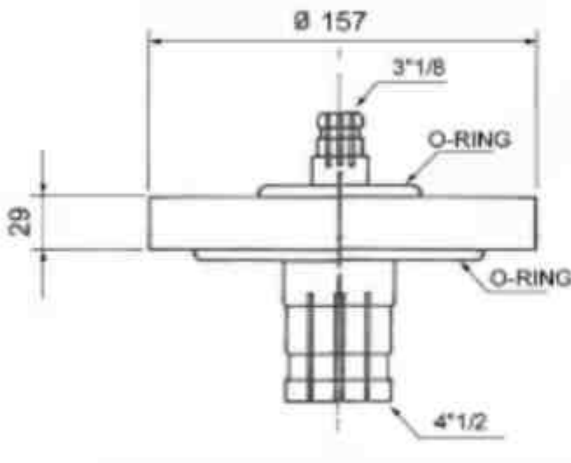


Fig.75

P/N 490373



P/N 3013102LV

Fig.76

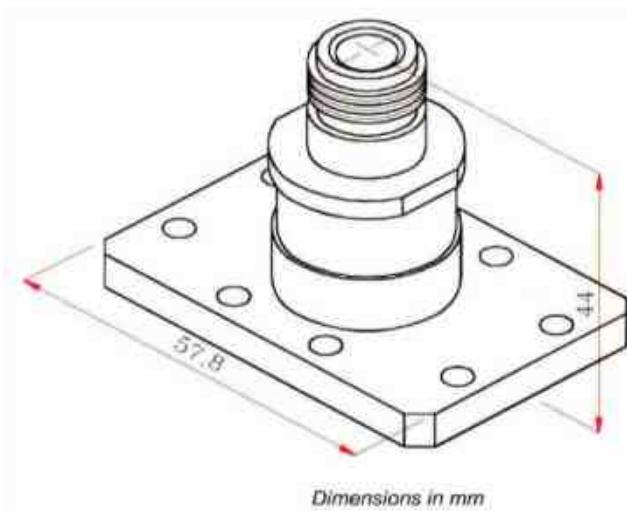
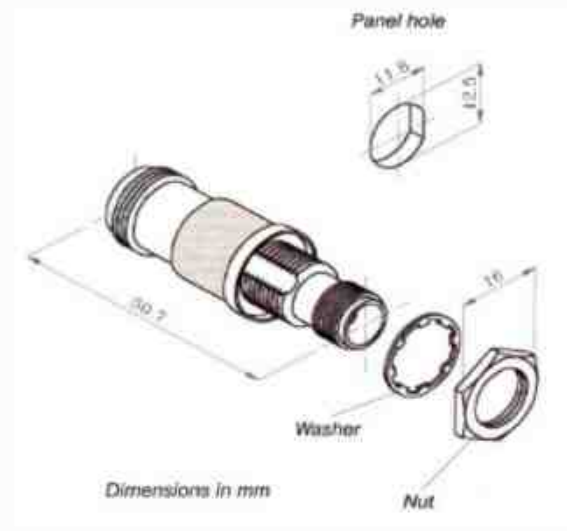


Fig.77

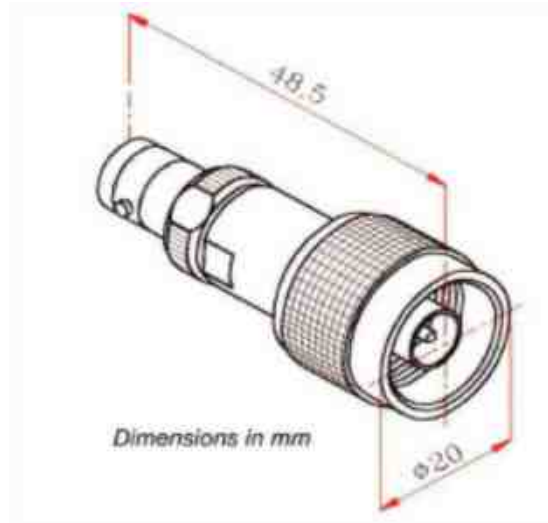
P/N UER7023301



P/N 3017201LV

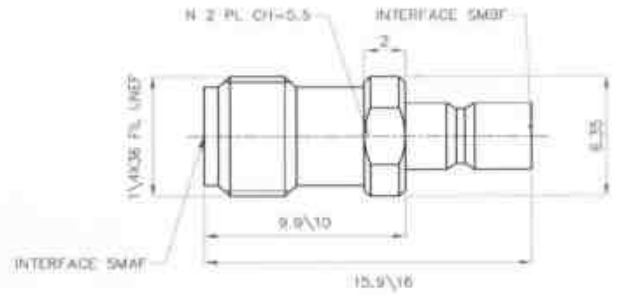
Fig.78

## DRAWINGS COAXIAL ADAPTERS



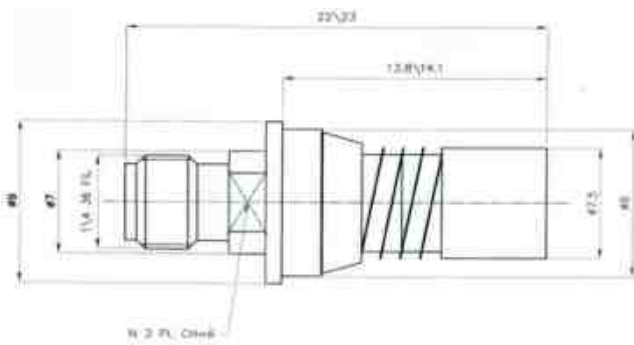
**Fig.79**

**P/N 3023101LV**



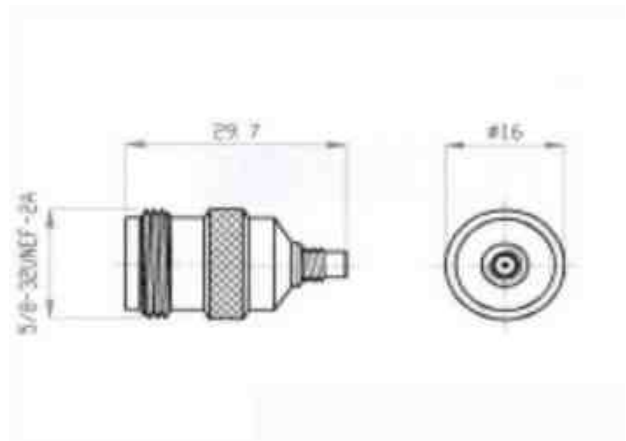
**P/N 3313362**

**Fig.80**



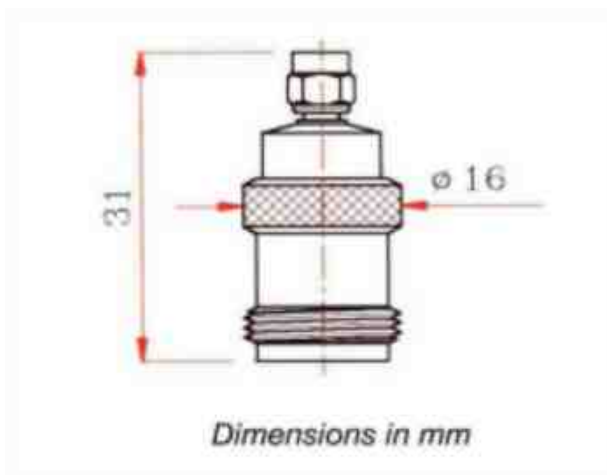
**Fig.81**

**P/N KS3317331**



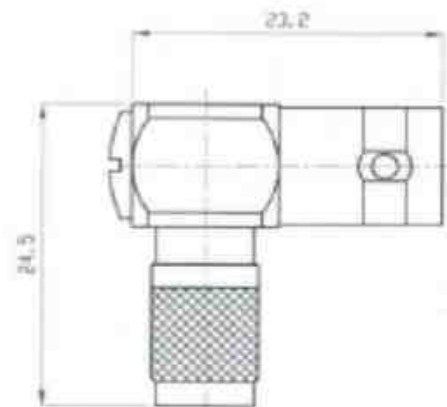
**P/N 3523301**

**Fig.82**



**Fig.83**

**P/N 3513301**



**P/N 4224101**

**Fig.84**

# DRAWINGS COAXIAL ADAPTERS

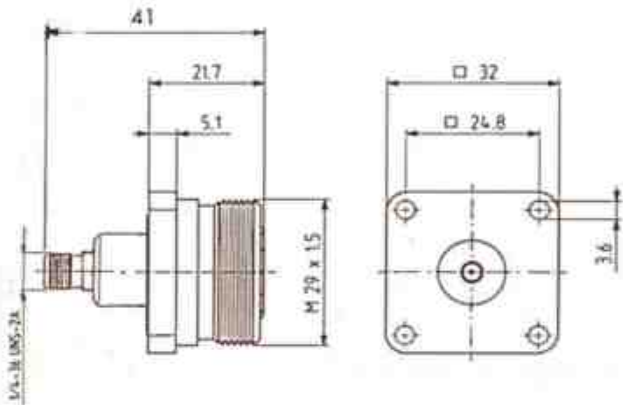
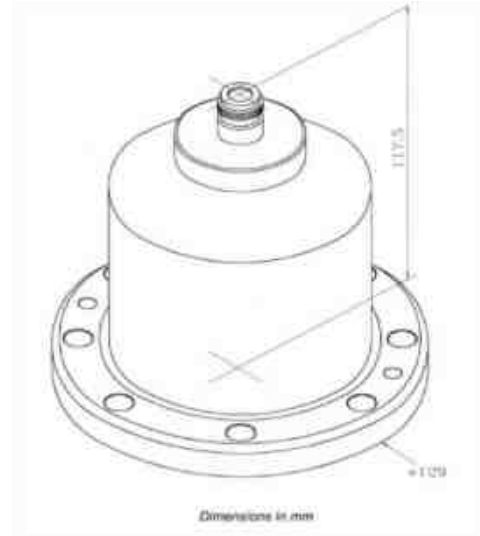


Fig.85

P/N 7016331



P/N 7303301

Fig.86

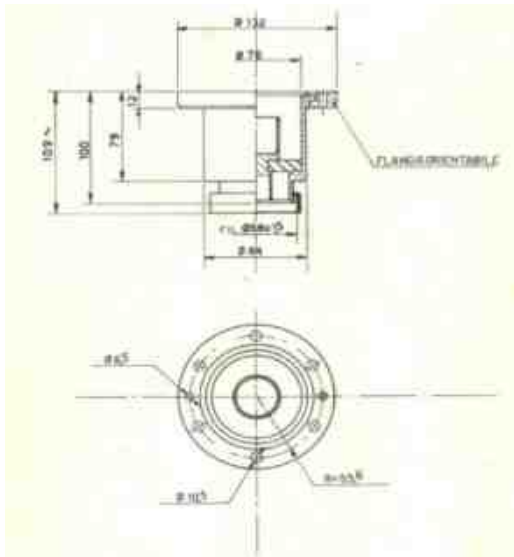
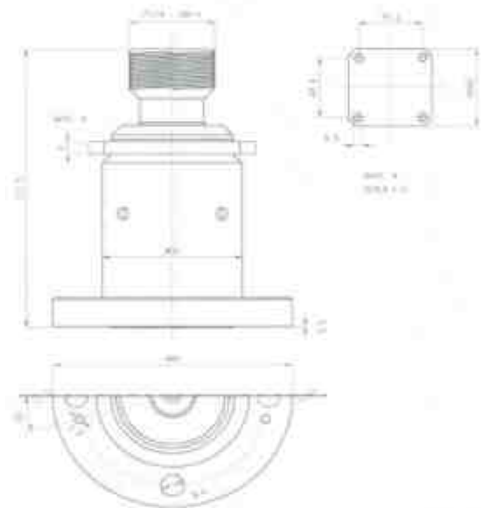


Fig.87

P/N 6313730



P/N 7505601

Fig.88

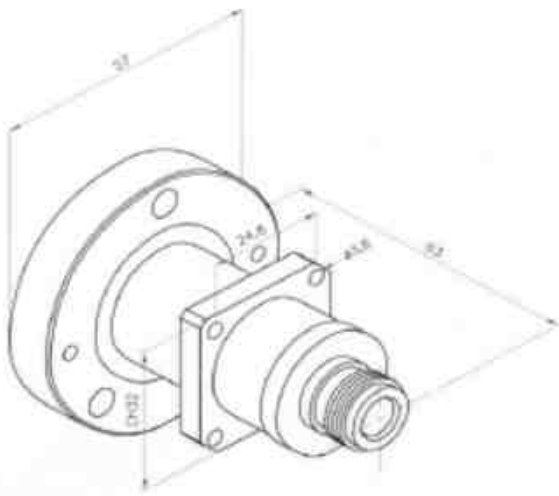
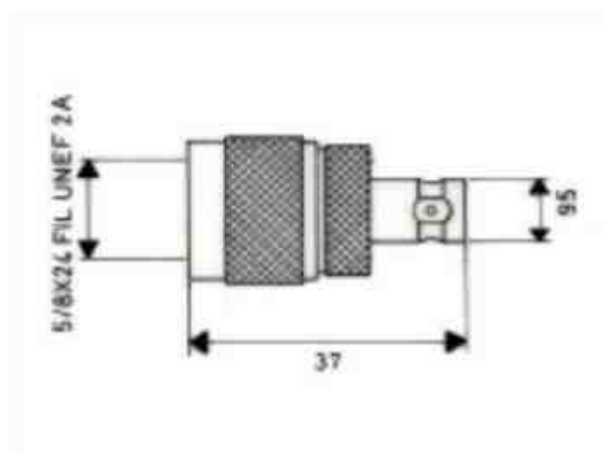


Fig.89

P/N 7805301

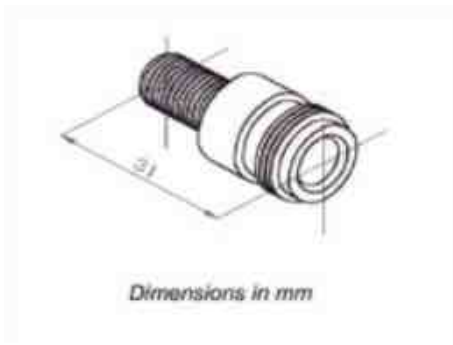


P/N 30231017

Fig.90

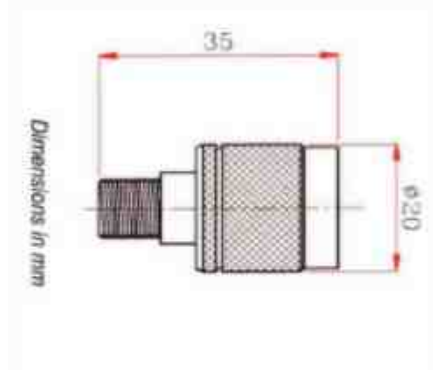


# DRAWINGS COAXIAL ADAPTERS



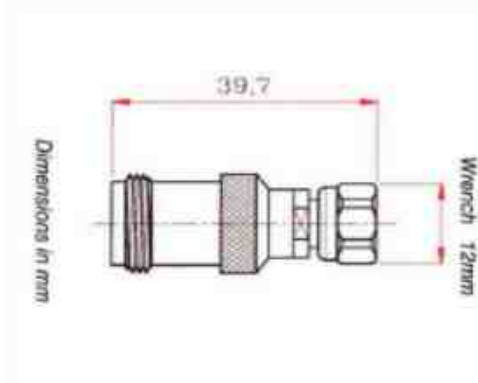
**Fig.91**

**P/N 44133015**



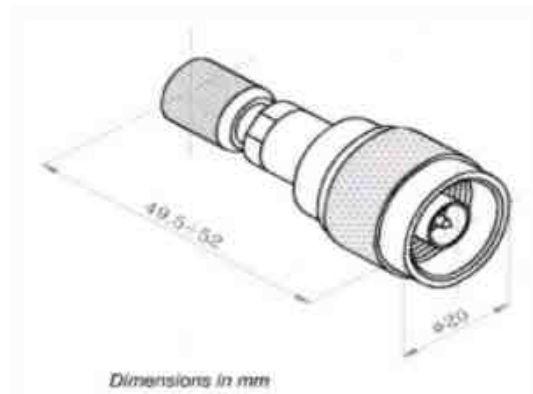
**P/N 44133025**

**Fig.92**



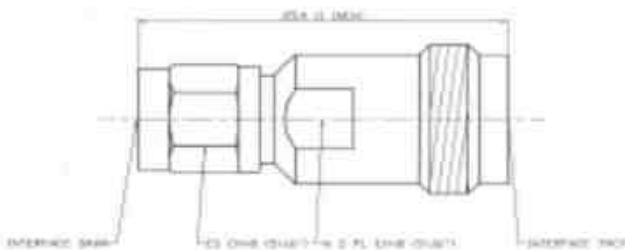
**Fig.93**

**P/N 44233015**



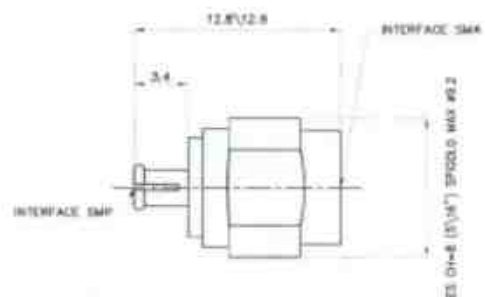
**P/N 6123302**

**Fig.94**



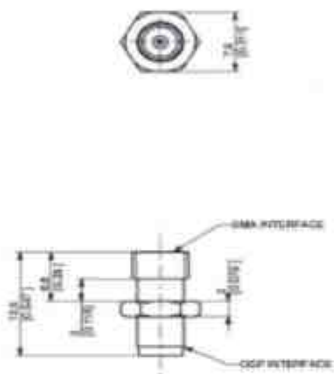
**Fig.95**

**P/N ELT3323201**



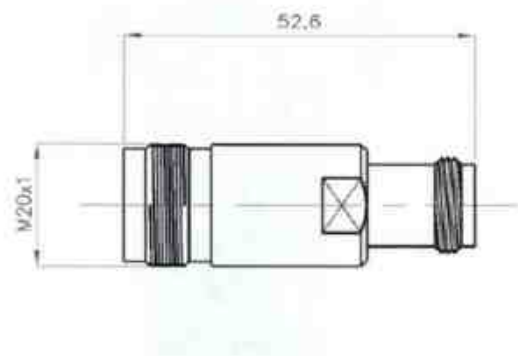
**P/N KS2213332**

**Fig.96**



**Fig.97**

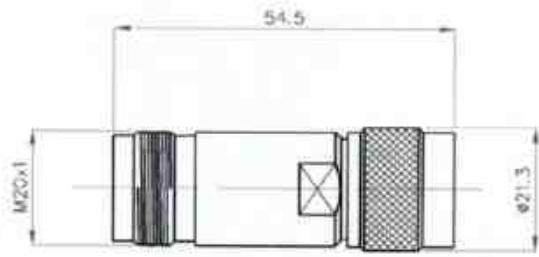
**P/N KS3323331**



**P/N THT13301**

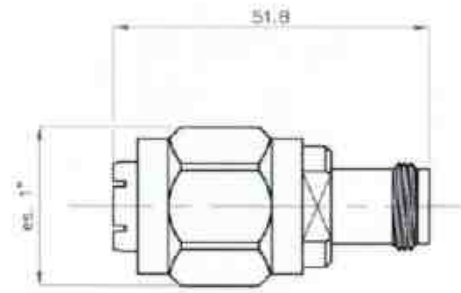
**Fig.98**

# DRAWINGS COAXIAL ADAPTERS



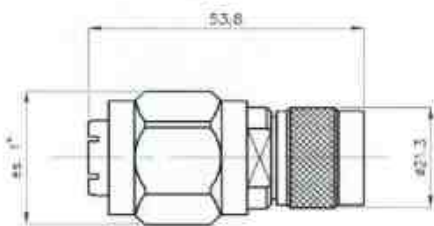
**Fig.99**

**P/N THT13302**



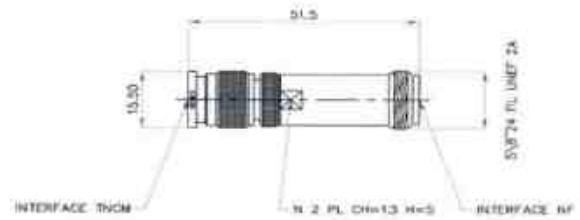
**Fig.100**

**P/N THT23301**



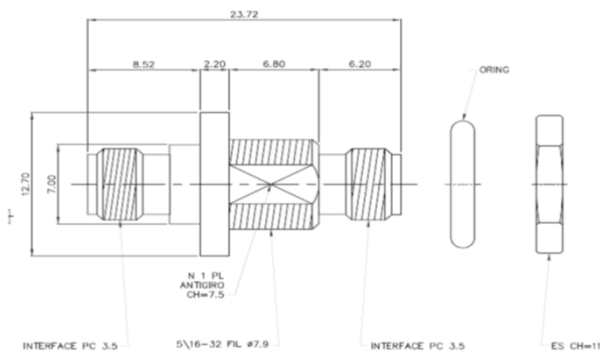
**Fig.101**

**P/N THT23302**



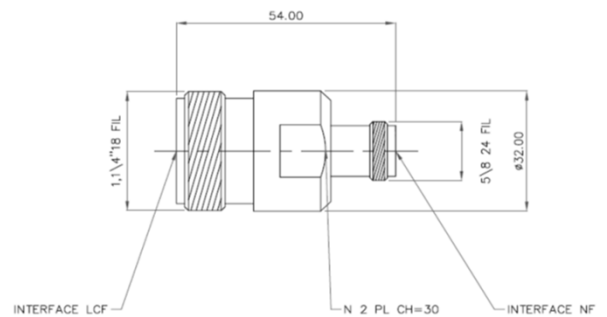
**Fig.102**

**P/N 3013202LV**



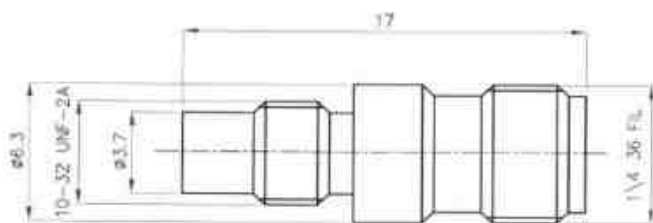
**Fig.103**

**P/N 9517951**



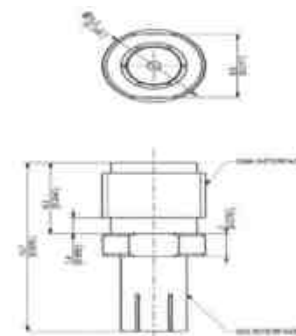
**Fig.104**

**P/N 6013301**



**Fig.105**

**P/N 3523331**

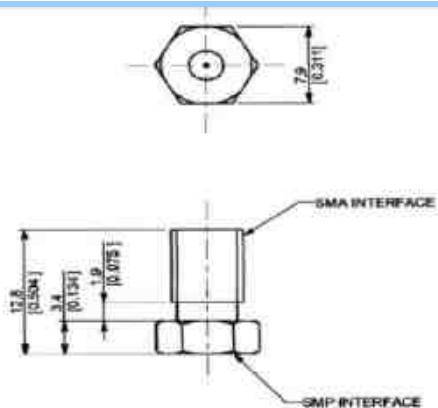


**Fig.106**

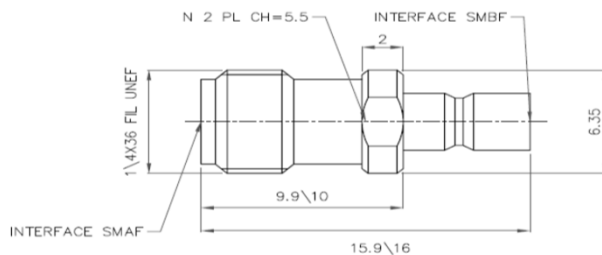
**P/N 5713331**



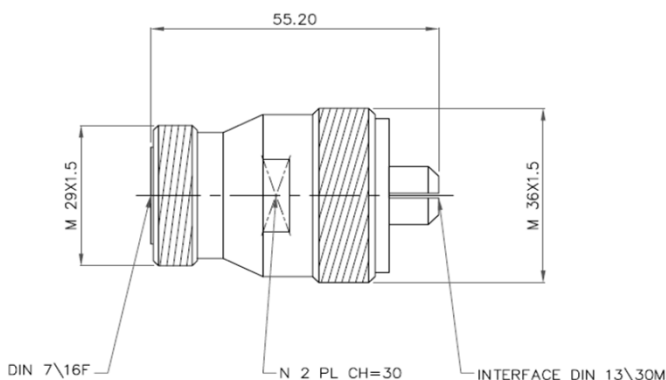
# DRAWINGS COAXIAL ADAPTERS



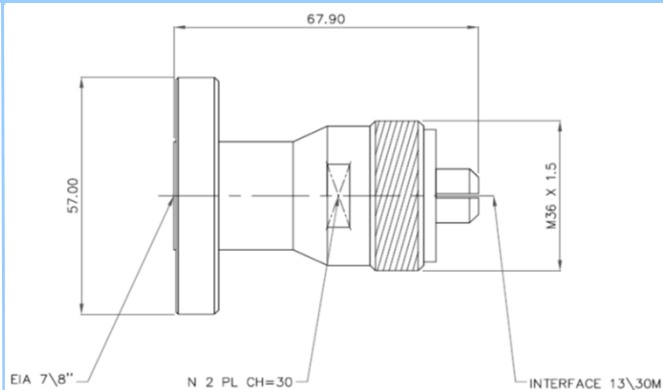
**Fig.107** **P/N KS2223331**



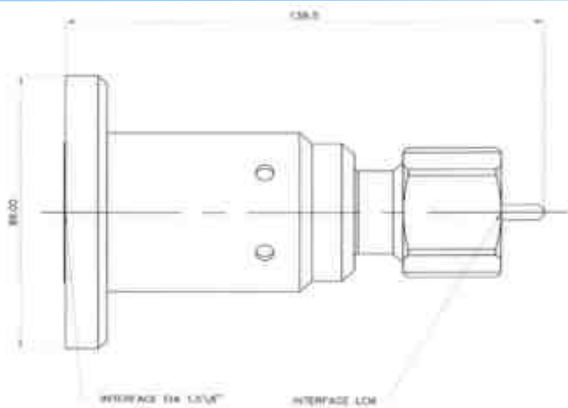
**P/N 3313361** **Fig.108**



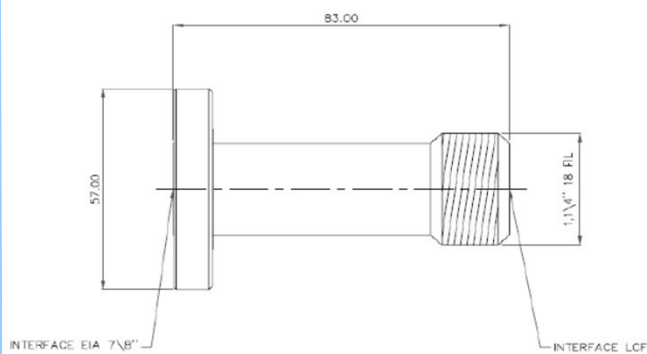
**Fig.109** **P/N 7123701**



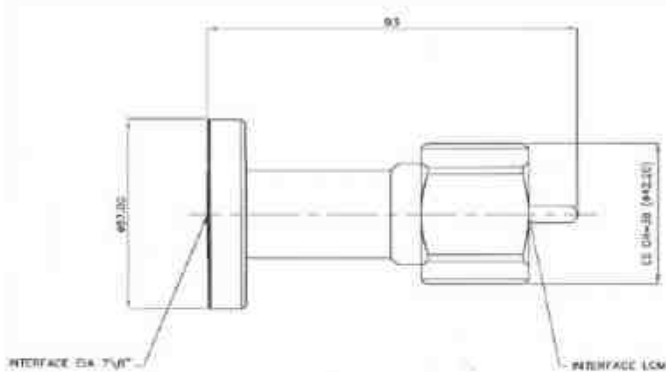
**P/N 7123780** **Fig.110**



**Fig.111** **P/N 7503602**



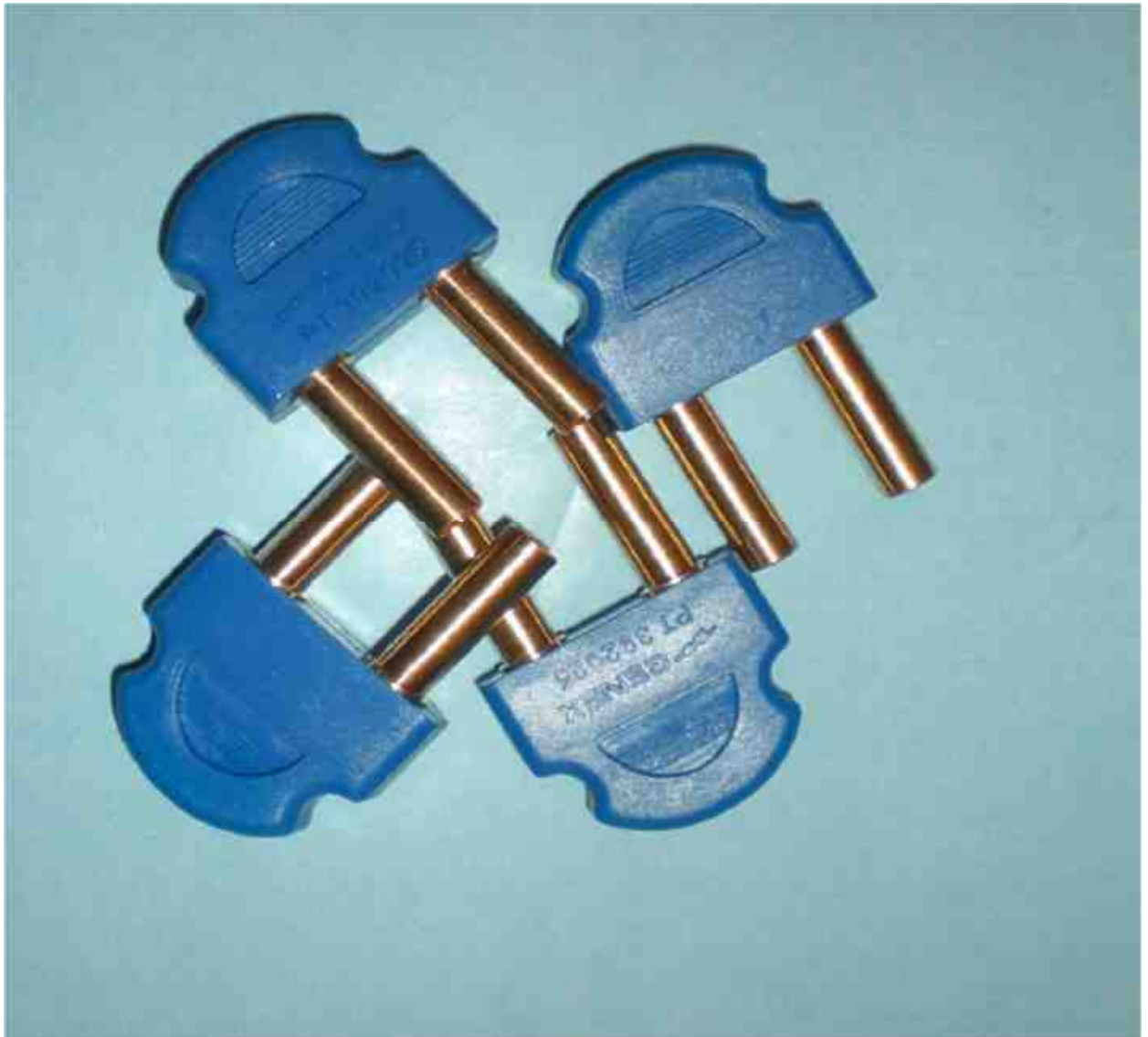
**P/N 7803601** **Fig.112**



**Fig.113** **P/N 7803602**

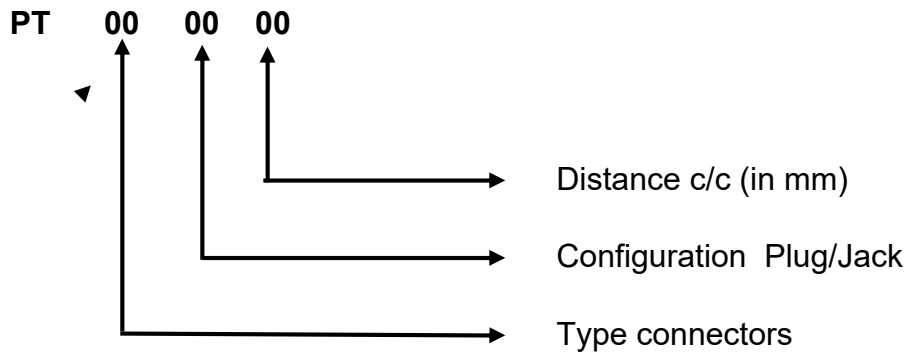
**P/N** **Fig.114**

# U-LINK



# PART NUMBER GENEX RF U-LINK

PT.....U-LINK



Example: PT102020 = u-link BNC plug-plug L= 20mm. c/c

## CONNECTORS

10	BNC	61	1.6/5.6 (N2)
20	TNC	62	1.8/5.6
30	N	66	2.5/6 (N1)
33	SMA	75	EIA 1"5/8
39	Fischiotto RAI	78	EIA 7/8"
42	1.0/2.3 (N3)	97	SMZ

## PLUG (M) /JACK (F)

10	JACK (F)	20	PLUG (M)
----	----------	----	----------

## ALPHABETICAL SUFFIXES



CS	PCB	REG	ADJUSTABLE
SO	SNAP-ON		

## U-LINK BNC

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT1020..	u-link BNC m - BNC m	distance c/c on request	


## U-LINK 1.6/5.6 (N2)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT 6120.. 	u-link 1.6/5.6 m - 1.6/5.6 m	distance c/c on request	3
PT611015CS 	u-link 1.6/5.6 f - 1.6/5.6 f PCB	distance c/c 15 mm.	
PT61203050	u-link 1.6/5.6 m - 1.6/5.6 m	distance c/c 30mm. Snap-On	
PT6120REG	u-link 1.6/5.6 m -1.6/5.6 m	distance c/c adjustable from mm. 27 to mm. 32	

## U-LINK 1.8/5.6



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT6220.. 	u-link 1.8/5.6 m - 1.8/5.6 m	distance c/c on request	4

## U-LINK SMZ



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT9710....	u-link SMZ female contact - female contact	distance c/c on request	

## U-LINK 2.5/6 (N1)


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT6620..	u-link 2.5/6 m - 2.5/6 m	distance c/c on request	

## U-LINK 1.0/2.3 (N3)

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT422015	u-link 1.0/2.3 m - 1.0/2.3 m	distance c/c 15 mm.	2


## U-LINK EIA 7/8"



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT7800.. 	u-link EIA 7/8" - EIA 7/8"	distance c/c on request	5


## VIDEO U-LINK "FISCHIOTTO"



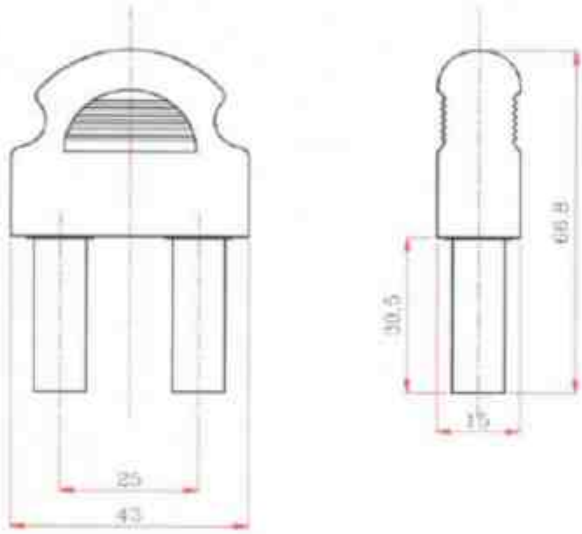
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PT392025 	u-link m - m	distance c/c 25 mm.	1

## AUDIO U-LINK



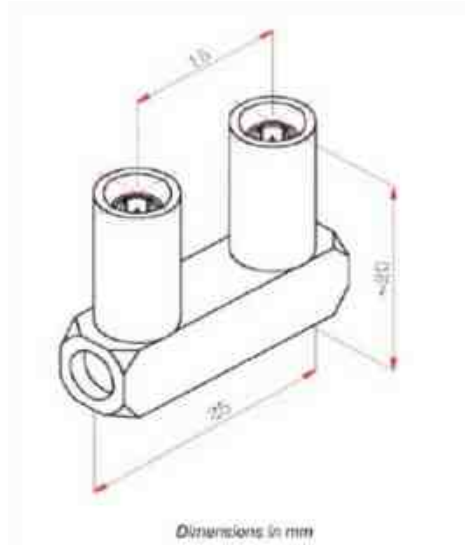
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PTA4CNT 	u-link 4 contact - banana male		6

## DRAWINGS U-LINK



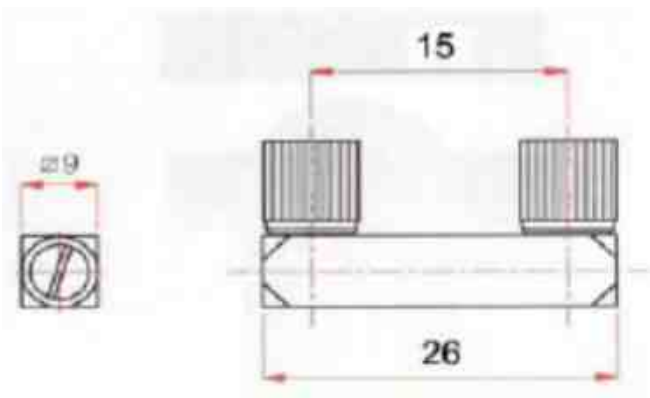
**Fig.1**

**P/N PT392025**



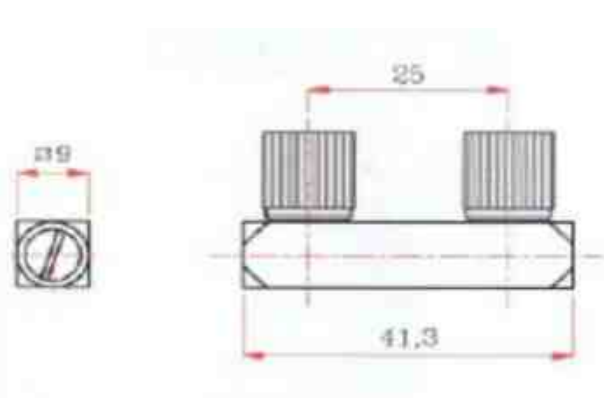
**P/N PT422015**

**Fig.2**



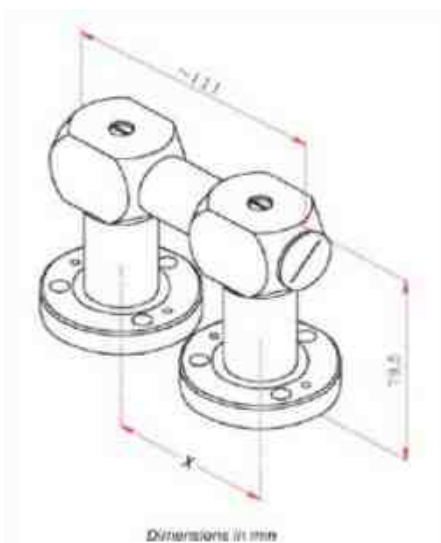
**Fig.3**

**P/N PT6120..**



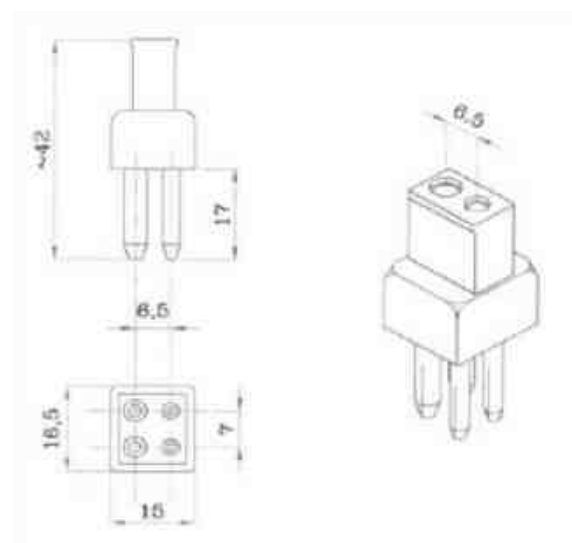
**P/N PT6220..**

**Fig.4**



**Fig.5**

**P/N PT7800..**

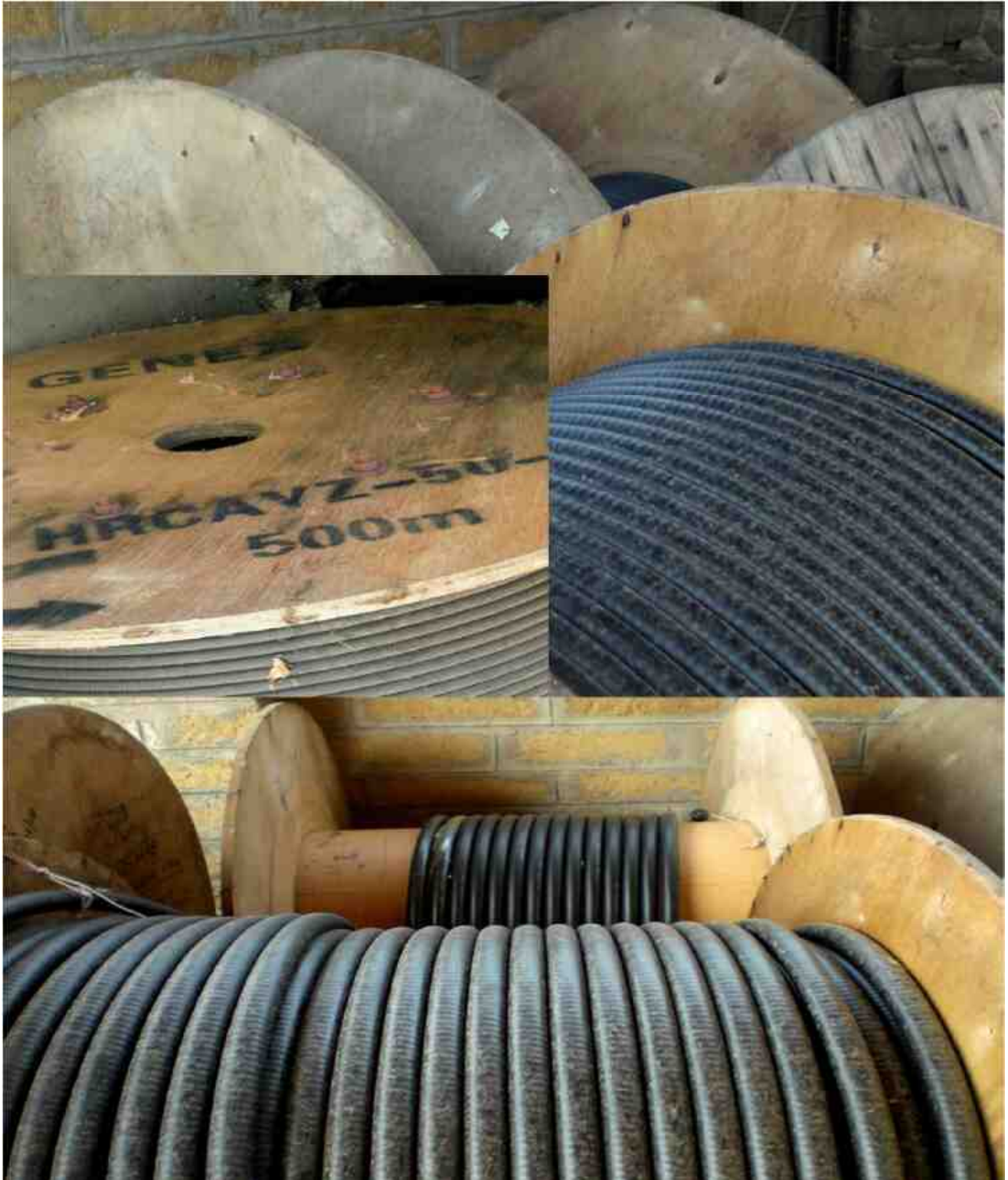


**P/N PTA4CNT**

**Fig.6**



# COAXIAL CABLES





# CROSS REFERENCE SEMIRIGID CABLES

Micro-Coax (UT)	EZ-Form	Micro-Coax (UT)	EZ-Form
UT 34	EZ 34/M17	UT-85C-TP-M17	M17/133-00009
UT 34-TP	EZ 34-TP/M17	UT-85-SP-M17	M17/133-00016
UT 34-SP	EZ 34-SP	UT-85-AL-M17	M17/133-00012
UT 34C-10	EZ 34-10	UT-85-AL-TP-M17	M17/133-00013
UT 34C-17	EZ 34-17	UT 141-A	EZ 141/M17
UT 34-25	EZ 34-25	UT 141-A-TP	EZ 141-TP/M17
UT 34-95	EZ 34-95	UT 141-A-SP	EZ 141-SP
UT 34-M17	M17/154-00001	UT 141-AA	-----
UT 34-TP-M17	M17/154-00002	UT 141C	EZ 141Cu
UT 47	EZ 47/M17	UT 141C-TP	141Cu EZ-TP
UT 47-TP	EZ 47-TP/M17	UT 141C-SP	EZ 141Cu-SP
UT 47-SP	EZ 47-SP	UT 141C-10	EZ 141-10
UT 47C-35	EZ 47-35	UT 141C-15	EZ 141-15
UT 47-70	EZ 47-70	UT 141C-25	EZ 141-25
UT 47C-LL	EZ 47-LA	UT 141C-35	EZ 141-35
UT 47-M17	M17/151-00001	UT 141-70	EZ 141-70
UT 47-TP-M17	M17/151-00002	UT 141-75	EZ 141-75
UT 47C-AL-TP-LL	EZ 47AL-LA-TP	UT 141C-LL	EZ 141-LA
UT-85	EZ 86/M17	UT 141C-SS	EZ 141Cu-SS
UT-85-TP	EZ 86-TP/M17	UT 141-HA-M17	M17/130-RG-402
UT-85-SP	EZ 86-SP/M17	UT 141-HA-TP-M17	M17/130-00001
UT-85C	EZ 86-Cu/M17	UT 141-SA - M17	M17/130-00004
UT-85C-TP	EZ 86-Cu-TP/M17	UT 141-SA-TP-M17	M17/130-00005
UT-85C-SP	EZ 86-Cu-SP	UT 141-SA-AL-M17	M17/130-00008
UT-85-75-TP	EZ 86-75-TP	UT 141-SA-AL-TP-M17	M17/130-00009
UT-85-H-M17	M17/133-RG-405	UT 250C	EZ 250/M17
UT-85-H-TP-M17	M17/133-00001	UT 250C-TP	EZ 250-TP/M17
UT-85C-H-M17	M17/133-00002	UT 250C-SP	EZ 250-SP
UT-85C-H-TP-M17	M17/133-00003	UT 250-75	EZ 250-75
UT-85-M17	M17/133-00006	UT 250-A-M17	M17/129-RG-401
UT 85-TP-M17	M17/133-00007	UT 250-A-TP-M17	M17/129-00001
UT-85C-M17	M17/133-00008		

# CABLES ATTENUATION

## FREQUENCY GHz - dB/m

<b>SEMIRIGID CABLES</b>	0,5	1	2	4	6	8	10	12	14	16	18
MULTIFLEX 0.86	0,521	0,746	1,072	1,550	1,930	2,259	2,557	2,831	3,088	3,331	3,563
MULTIFLEX 141	0,278	0,401	0,584	0,858	1,082	1,279	1,459	1,628	1,787	1,939	2,086
UT .047	0,756	1,080	1,551	2,240	2,787	3,260	3,687	4,080	4,448	4,796	5,128
UT .085	0,440	0,650	0,910	1,290	1,610	1,910	2,100	2,280	2,780	2,950	3,180
UT .141	0,250	0,365	0,540	0,810	1,035	1,238	1,426	1,603	1,773	1,936	2,095
UT .250	0,150	0,223	0,339	0,526	0,688	0,837	0,977	1,112	1,242	1,369	1,493

## FREQUENCY GHz - dB/m

<b>LOW LOSS CABLES</b>	0,5	1	2	4	6	8	10	12	14	16	18
ECOFLEX 10	0,096	0,142	0,212	0,322	0,415	—	—	—	—	—	—
ECOFLEX 15	0,067	0,098	0,147	0,223	0,288	—	—	—	—	—	—
LMR 400	0,093	0,13	0,19	0,28	0,36	0,42	0,48	0,54	0,59	0,64	0,69
LMR 600	0,051	0,08	0,12	0,19	0,24	0,29	0,33	0,37	0,41	0,45	0,48
S04272B Suhner	0,162	0,242	0,37	0,57	0,75	0,92	1,07	1,22	1,37	1,51	1,65
H155 Belden	0,169	0,301	0,45	—	—	—	—	—	—	—	—
Belden 9913	0,09	0,146	—	—	—	—	—	—	—	—	—

## FREQUENCY GHz - dB/m

<b>ST CABLES</b>		1	4	20	50	70					
ST 112		—	—	—	—	—	—	—	—	—	—
ST 121		—	—	—	—	—	—	—	—	—	—
ST 212		0,020	0,040	0,090	—	—	—	—	—	—	—
ST 214		0,009	0,019	0,043	0,068	0,085	—	—	—	—	—

## FREQUENCY GHz - dB/m

	0,5	1	2	4	6	8	10	12	14	16	18
SAT 703 B	0,12	0,189	0,28	0,40	—	—	—	—	—	—	—
HP850 TIMES Microwave	0,051	0,073	0,10	0,15	0,20	0,23	0,27	0,31	0,34	0,36	0,39
HP950 TIMES Microwave	0,041	0,064	0,09	0,14	0,17	0,21	0,24	0,27	0,30	0,32	0,35

# RG CABLES ATTENUATION

RG/U	FREQUENCY MHz - dB/100 FT								
	10	50	100	200	400	1000	3000	5000	10000
5, 5A, 5B, 6A, 6B	0,80	1,40	2,90	4,30	6,40	11,00	22,00	30,00	52,00
7	0,66	1,50	2,20	3,20	4,60	9,00	19,00	28,00	47,00
8, 8A, 10A, 70, 213, 215	0,66	1,50	2,20	3,20	4,60	9,00	19,00	28,00	47,00
9, 9A, 9B, 214	0,66	1,50	2,20	3,20	4,60	9,00	19,00	28,00	47,00
11, 11A, 12, 12A, 13, 13A, 216	0,66	1,50	2,20	3,20	4,60	9,00	19,00	28,00	–
14, 14A, 74, 74A, 217, 224, 293, 293A, 388	0,41	1,00	1,40	2,10	3,10	5,80	13,00	19,00	31,00
17, 17A, 18, 18A, 177, 218, 219, 295	0,23	0,56	0,81	1,20	1,90	3,80	9,00	13,50	–
19, 19A, 20, 20A, 147, 220, 221	0,17	0,43	0,63	0,94	1,50	3,00	7,00	–	–
21, 21A, 222	4,40	9,40	12,90	18,20	26,50	44,00	87,00	–	–
22, 22B, 111, 111A	1,20	2,80	4,20	6,30	9,50	–	–	–	–
29	1,35	3,00	4,30	6,00	8,80	16,50	36,00	51,00	85,00
34, 34A, 34B	0,32	0,90	1,40	2,10	3,30	5,80	16,00	28,00	–
35, 35A, 35B, 164	0,24	0,60	0,90	1,30	2,00	3,70	8,90	15,00	–
54, 54A	0,90	2,20	3,30	4,60	6,90	13,10	26,20	35,00	–
55, 55A, 55B, 223	1,35	3,00	4,30	6,00	8,80	16,50	36,00	51,00	85,00
57, 57A, 130, 131, 294, 294A	0,65	1,60	2,40	3,60	5,20	10,00	21,20	–	–
58, 58B	1,20	3,10	4,60	7,00	10,00	17,50	38,00	–	–
58A, 58C	1,40	3,30	4,90	7,30	11,00	20,00	41,00	–	–
59, 59A, 59B	1,10	2,30	3,30	4,70	6,70	11,50	25,50	41,00	–
62, 62A, 71, 71A, 71B	0,90	1,90	2,80	3,70	5,20	8,50	18,40	29,50	–
62B	0,90	2,10	3,00	4,30	6,10	10,50	23,50	36,00	–
63, 63B, 79, 79B	0,50	1,10	1,50	2,30	3,40	5,70	12,20	20,90	–
72, 125	0,50	1,10	1,60	2,30	3,60	6,20	13,50	22,00	–
87A, 115, 115A, 116, 165, 166, 225, 227, 393, 397	0,60	1,40	2,10	3,10	4,50	7,50	14,00	21,00	35,00
94	0,60	1,30	2,00	2,90	4,20	7,10	13,00	19,00	33,00
94A, 226	0,40	1,00	1,50	2,10	3,00	5,00	10,00	15,00	27,00
108, 108A	2,30	5,20	7,50	11,00	16,00	26,20	54,00	–	–
114, 114A	1,30	2,10	2,90	4,40	6,70	11,60	26,00	40,00	–
117, 117A, 118, 211, 211A, 228, 228A	0,25	0,61	0,90	1,40	2,00	3,40	7,50	11,50	–
119, 120	0,50	1,05	1,60	2,20	3,10	5,10	10,20	15,20	27,30
122	1,60	4,40	6,90	11,00	16,60	29,20	57,20	89,00	–
140,141,141A,142,142B,159,302,303,400,402	1,20	2,70	3,90	5,50	8,00	13,00	26,00	36,00	62,00
143, 143A, 304, 401	0,85	1,80	2,50	3,80	5,70	9,70	18,10	26,10	40,70
144	0,38	1,00	1,60	2,30	3,80	7,00	15,10	–	–
161, 179, 179A, 179B, 187, 187A	5,00	7,90	9,80	12,70	15,80	25,00	43,00	62,50	135,00
174, 174A	3,80	6,50	8,90	12,00	17,50	31,00	64,30	97,00	185,00
178, 178A, 178B, 196, 196A, 403, 404	5,30	10,00	13,30	20,00	27,50	45,00	78,00	115,00	172,00
180, 180A, 180B, 195, 195A	3,10	4,20	5,10	7,30	10,40	16,50	36,00	49,50	89,00
183	0,18	0,38	0,53	0,78	1,20	1,90	3,70	5,00	–
188, 188A, 316	3,80	7,90	11,50	15,00	20,00	30,00	58,00	79,00	133,00
197, 232	0,14	0,31	0,43	0,63	0,93	1,60	3,10	4,20	–
198	0,23	0,53	0,78	1,20	1,70	2,80	5,10	6,80	10,00

# RG CABLES ATTENUATION

RG/U	FREQUENCY MHz - dB/100 FT								
	10	50	100	200	400	1000	3000	5000	10000
199	0,17	0,28	0,41	0,58	0,87	1,50	2,90	4,10	–
200	0,07	0,16	0,23	0,33	0,51	0,93	1,80	–	–
209, 281	0,21	0,63	1,00	1,60	2,30	4,00	7,60	10,50	18,00
231, 331, 210	0,23	0,58	0,85	1,30	1,90	3,10	6,50	9,00	15,00
233, 240	0,08	0,17	0,23	0,33	0,49	0,85	1,80	–	–
234, 242	0,04	0,09	0,13	0,18	0,28	0,51	–	–	–
235	0,60	1,40	2,10	3,10	4,50	7,50	14,00	21,00	35,00
236, 237	0,25	0,59	0,82	1,25	1,80	2,90	5,30	7,20	–
244, 245	0,23	0,50	0,71	1,10	1,60	2,50	4,80	6,30	12,00
246, 247	0,13	0,28	0,39	0,58	0,83	1,50	2,80	4,00	–
248, 249	0,07	0,15	0,22	0,31	0,48	0,85	1,80	–	–
250, 251	0,04	0,08	0,12	0,18	0,28	0,52	–	–	–
252, 253	0,23	0,52	0,70	1,05	1,50	2,40	4,60	6,50	12,00
254, 255	0,13	0,30	0,42	0,60	0,86	1,40	2,70	4,00	–
256	0,16	0,35	0,50	0,71	1,00	1,70	3,40	4,90	–
257, 258	0,07	0,16	0,23	0,32	0,46	0,76	1,70	–	–
259	0,40	0,91	1,30	1,90	2,75	4,40	7,60	10,50	16,00
263	0,20	0,48	0,70	1,00	1,50	2,50	4,50	6,00	9,00
265, 267, 270, 270A, 270B, 319, 319A	0,06	0,14	0,20	0,30	0,44	0,76	1,70	–	–
268, 366	0,25	0,59	0,85	1,20	1,80	2,90	5,70	8,30	18,00
269, 269A, 297, 318	0,12	0,27	0,38	0,45	0,80	1,35	2,60	4,00	–
279	1,40	3,30	4,90	7,30	11,00	20,00	41,00	–	–
280	0,37	0,90	1,30	2,00	2,90	4,70	9,60	14,00	25,00
282	1,50	3,70	5,20	7,60	11,00	18,00	34,00	48,00	80,00
284, 284A	0,11	0,25	0,35	0,44	0,75	1,20	2,30	3,80	–
285A	0,09	0,19	0,30	0,41	0,69	1,00	1,90	3,10	–
286, 292	0,05	0,13	0,19	0,29	0,41	0,55	1,30	–	–
288, 321, 322	0,04	0,10	0,15	0,20	0,30	0,50	–	–	–
289	0,04	0,10	0,15	0,20	0,30	0,50	–	–	–
306, 306A, 336	0,15	0,33	0,52	0,80	1,30	2,30	5,20	7,80	–
307, 307A	1,20	2,70	3,80	5,40	7,50	12,00	–	–	–
323, 324, 332, 333, 376	0,15	0,32	0,50	0,75	1,20	2,10	4,70	6,50	–
325	0,36	0,90	1,40	2,00	3,00	5,10	10,00	14,10	26,00
326	0,24	0,60	0,90	1,30	1,80	3,20	6,20	8,40	–
327	0,16	0,42	0,65	0,93	1,40	2,50	4,70	–	–
334, 335	0,25	0,60	0,85	1,20	1,90	3,50	7,00	10,00	18,00
360	0,18	0,40	0,60	0,90	1,50	2,50	5,30	7,50	–
367	0,35	0,80	1,20	1,80	2,30	4,00	7,50	10,00	–
369, 370	0,34	0,80	1,10	1,70	2,40	3,40	6,80	9,50	16,00
377	0,28	0,65	0,92	1,30	1,90	3,10	5,70	7,80	13,00
385	0,26	0,65	0,96	1,40	2,10	3,60	6,90	9,70	16,00
389, 189	0,20	0,46	0,70	1,00	1,50	2,50	5,30	–	–

# RG CABLES MAX POWER <sup>(1)</sup>

RG/U	FREQUENCY MHz								
	10	50	100	200	400	1000	3000	5000	10000
5, 5A, 5B, 6A, 6B	2000	800	550	350	230	125	60	40	22
7	3700	1300	850	540	350	190	95	65	37
8, 8A, 10A, 70, 213, 215	3700	1300	850	540	350	190	95	65	37
9, 9A, 9B, 214	3700	1300	850	540	350	190	95	65	37
11, 11A, 12, 12A, 13, 13A, 216	2500	1000	650	400	260	150	70	50	26
14, 14A, 74, 74A, 217, 224, 293, 293A, 388	6000	2000	1200	800	480	260	120	85	50
17, 17A, 18, 18A, 177, 218, 219, 295	18000	5400	3200	1900	1100	560	240	160	–
19, 19A, 20, 20A, 147, 220, 221	25000	7500	4500	2700	1600	800	340	–	–
21, 21A, 222	340	160	115	82	60	38	15	–	–
22, 22B, 111, 111A	1700	650	430	280	190	110	50	38	20
29	1150	480	340	230	160	95	50	35	18
34, 34A, 34B	7300	2700	1700	1050	680	380	140	80	–
35, 35A, 35B, 164	15000	5800	3800	2500	1650	950	370	210	–
54, 54A	1750	700	470	310	210	120	60	40	21
55, 55A, 55B, 223	800	310	205	137	90	53	28	20	10
57, 57A, 130, 131, 294, 294A	3400	1300	825	540	360	210	90	50	–
58, 58B	730	280	180	125	85	50	25	17	–
58A, 58C	650	255	170	110	75	44	22	15	–
59, 59A, 59B	1300	480	310	200	135	77	40	27	15
62, 62A, 71, 71A, 71B	1300	480	310	200	135	77	40	27	15
62B	1150	420	280	180	120	69	35	25	14
63, 63B, 79, 79B	3000	1050	680	490	340	200	90	51	28
72, 125	2300	920	620	430	280	170	65	45	–
87A,115,115A,116,165, 166, 225, 227, 393, 397	25000	9500	6300	4300	2800	1700	880	620	350
94	25000	9500	6300	4300	2800	1700	880	620	350
94A, 226	46000	17500	11500	7500	5000	2900	1500	1000	600
108, 108A	340	145	100	70	50	30	15	–	–
114, 114A	1150	480	340	230	160	95	50	35	18
117, 117A, 118, 211, 211A, 228, 228A	101000	38000	25000	16000	10000	5800	2900	1950	–
119, 120	35000	13500	9000	6000	4000	2300	1200	850	490
122	540	205	140	90	60	35	18	12	–
140,141,141A,142,142B,159,302,303,400,402	9000	3500	2400	1600	1100	650	350	245	140
143, 143A, 304, 401	11500	4600	3200	2100	1450	870	460	330	190
144	25000	9500	6300	4300	2800	1700	880	620	350
161, 179, 179A, 179B, 187, 187A	1600	780	570	420	310	200	110	76	41
174, 174A	170	72	50	36	25	16	–	–	–
178, 178A, 178B, 196, 196A, 403, 404	710	340	240	170	123	78	41	28	14
180, 180A, 180B, 195, 195A	2500	1100	800	570	400	250	135	93	50
183	14000	6000	4400	3000	2100	1300	670	470	–
188, 188A, 316	1250	600	450	330	240	160	80	57	30
197, 232	18000	8100	5800	4000	2800	1700	820	600	–
198	6800	3100	2200	1600	1100	650	360	270	180

(1) watt

# RG CABLES MAX POWER <sup>(1)</sup>

RG/U	FREQUENCY in MHz								
	10	50	100	200	400	1000	3000	5000	10000
199	15000	7000	5000	3400	2400	1400	740	540	–
200	42000	18000	13000	8700	5800	3300	1700	–	–
209, 281	101000	38000	25000	16000	10000	5800	2900	1950	1050
231, 331, 210	8500	3300	2300	1600	1100	620	310	220	140
233, 240	48000	21000	15000	10000	6800	3900	2100	–	–
234, 242	130000	53000	37000	24000	17000	9200	–	–	–
235	25000	9500	6300	4300	2800	1700	880	620	350
236, 237	7500	3700	2600	1800	1200	730	380	280	180
244, 245	6000	2800	1900	1300	920	580	300	220	150
246, 247	13000	5900	4200	2900	2100	1200	630	450	–
248, 249	38000	17000	12000	8000	5500	3200	1700	–	–
250, 251	100000	42000	28000	19000	13000	7200	–	–	–
252, 253	8000	3500	2500	1800	1200	750	380	280	180
254, 255	19000	8000	5700	4000	2800	1700	850	600	–
256	36000	16000	11000	7700	5400	3400	1800	1200	–
257, 258	50000	21000	15000	10000	7000	4100	2000	–	–
259	8700	3800	2600	1800	1300	800	430	320	200
263	65000	26000	17000	12000	8000	4800	2600	1900	1300
265, 267, 270, 270A, 270B, 319, 319A	48000	21000	14000	10000	7000	4200	2100	–	–
268, 366	7800	3300	2200	1600	1000	570	280	190	120
269, 269A, 297, 318	22000	9000	6200	4300	3000	1900	1000	700	–
279	4500	1900	1350	950	660	410	230	160	91
280	46000	17500	11500	7500	5000	2900	1500	1000	600
282	1200	600	450	330	240	160	80	56	30
284, 284A	16000	6200	4300	3000	2100	1300	700	530	–
285A	–	–	–	–	–	–	–	–	–
286, 292	35000	15000	10000	7000	4800	2900	1700	–	–
288, 321, 322	90000	38000	26000	18000	13000	7200	–	–	–
289	63000	27000	19000	13000	9100	5000	–	–	–
306, 306A, 336	15000	5500	3700	2500	1700	1000	460	300	–
307, 307A	1300	470	310	200	130	76	39	28	15
323, 324, 332, 333, 376	17000	6900	4700	3200	2100	1200	550	360	–
325	3800	1300	840	540	340	190	92	64	37
326	11000	3400	2000	1200	720	380	170	115	–
327	23500	6900	4000	2350	1400	700	300	–	–
334, 335	6600	2700	1800	1300	860	510	260	190	110
360	12000	5100	3500	2300	1600	900	450	290	–
367	250000	110000	75000	51000	35000	21000	–	–	–
369, 370	4300	1900	1400	960	670	400	220	160	110
377	16000	6800	4700	3300	2300	1400	760	560	350
385	70000	26000	16000	11000	7000	4200	2300	1700	1100
389, 189	20000	5400	3100	2100	1500	800	400	–	–

(1) watt

## CORRUGATED CABLES FOAM 50 Ω ATTENUATION

FREQUENCY MHz	dB/100 mt						
	1/4"	1/4" Superflex	1/2"	1/2" Superflex	3/8"	7/8"	1" 5/8
0,5	0,3	0,4	0,15	0,24	0,24	0,08	0,048
1	0,4	0,6	0,22	0,35	0,33	0,115	0,069
2	0,6	0,8	0,3	0,47	0,46	0,16	0,099
5	1	1,3	0,4	0,7	0,65	0,22	0,12
10	1,4	1,85	0,7	1,06	1,08	0,37	0,22
20	1,9	2,6	0,98	1,5	1,53	0,53	0,32
30	2,3	3,2	1,2	1,85	1,88	0,65	0,4
50	3	4,2	1,57	2,4	2,46	0,85	0,5
100	4,5	6	2,24	3,4	3,45	1,2	0,75
150	5	7,5	2,78	4,2	4,3	1,5	0,92
200	6,1	8,8	3,23	4,9	4,9	1,75	1,08
300	7,6	11	4	6,1	6,09	2,2	1,35
400	8,8	12,9	4,6	7,1	7,1	2,55	1,6
500	10	14,6	5,27	8,1	8	2,9	1,8
600	11	16,2	5,8	8,9	8,8	3,2	2
700	12	17,6	6,3	9,7	9,6	3,5	2,2
800	13	19	6,8	10,4	10,3	3,8	2,4
1.000	14,5	21,6	7,7	11,7	11,5	4,3	2,7
1.500	18,5	27,5	9,6	14,8	14,4	5,5	3,4
2.000	21,5	32,7	11,3	17,4	16,7	6,5	4,1
2.500	24,2	36	12,5	19,2	19	7,2	4,7
3.000	27	42,2	14,4	22,1	21,4	8,3	
4.000		50,5	17	26,2	25,4	9,95	
5.000		58,5	19,5	30	28,9	11,5	
6.000		66	21,8	34	32,3		
8.000		80	26	42	38,6		
10.000		92,8		49,3	44,3		
12.000		106			49,8		

## CORRUGATED CABLES FOAM 75 Ω ATTENUATION

FREQUENCY MHz	dB/100 mt						
	1/4" Superflex	1/2"	1/2" Superflex	7/8"			
0,5	0,43	0,14	0,21	0,07			
1	0,6	0,2	0,30	0,10			
2	0,85	0,28	0,43	0,15			
10	1,9	0,63	0,97	0,33			
20	2,7	0,9	1,38	0,47			
30	3,3	1,1	1,7	0,58			
50	4,3	1,45	2,2	0,75			
100	6,15	2,05	3,2	1,09			
150	7,6	2,5	3,9	1,3			
200	8,8	2,95	4,6	1,6			
300	11,00	3,7	5,7	2,00			
400	12,8	4,26	6,6	2,4			
500	14,5	4,8	7,5	2,7			
600	16,00	5,3	8,3	3,00			
700	17,5	5,7	9,00	3,3			
800	18,9	6,2	9,7	3,5			
900	20,00	6,6	10,00	3,8			
1.000	21,5	7,00	11,00	4,00			
1.500	27,00	8,8	14,00	5,00			
2.000	32,00	10,5	16,5	6,00			
2.500	35,00	11,5	18,9	7,00			
3.000	40,9	13,2	21,00	8,00			
4.000	48,7	15,8	25,00				
5.000	55,8	18,00	28,7				
6.000	63,00	20,00	32,3				
8.000	76,00	24,00	39,00				
10.000	88,3	27,8	45,00				



CORRUGATED CABLES AIR 50 Ω ATTENUATION				CORRUGATED CABLES AIR 75 Ω ATTENUATION			
FREQUENCY MHz	dB/100 mt			FREQUENCY MHz	dB/100 mt		
	1/2"	7/8"	1" 5/8		1/2"	7/8"	1" 5/8
0,5	0,18	0,08	0,05	0,5	0,17	0,082	0,037
1	0,26	0,11	0,07	1	0,25	0,12	0,053
2	0,38	0,16	0,09	2	0,34	0,17	0,077
10	0,85	0,38	0,2	10	0,77	0,38	0,19
20	1,2	0,54	0,3	20	1,09	0,55	0,27
30	1,5	0,66	0,4	30	1,35	0,69	0,34
50	1,9	0,85	0,5	50	1,75	0,89	0,45
100	2,7	1,2	0,7	100	2,5	1,25	0,66
150	3,4	1,5	0,8	150	3,07	1,58	0,82
200	3,9	1,8	0,96	200	3,6	1,8	0,96
300	4,8	2,2	1,2	300	4,4	2,26	1,2
400	5,5	2,5	1,4	400	5,15	2,6	1,4
500	6,2	2,9	1,6	500	5,8	2,95	1,6
600	6,7	3,2	1,74	600	6,4	3,25	1,76
700	7,3	3,4	1,9	700	7,00	3,5	1,9
800	7,8	3,7	2,1	800	7,5	3,8	2,05
900	8,3	3,9	2,2	900	8,00	4,00	2,2
1.000	8,7	4,2	2,3	1.000	8,5	4,25	2,35
1.500	10,8	5,1	2,9	1.500	10,6	5,28	2,95
2.000	12,6	6,1	3,5	2.000	12,4	6,3	3,6
2.500	14,8	6,8	4,00	2.500	14,00	7,00	4,00
3.000	16,2	7,9		3.000	15,7	8,2	4,65
4.000	19,5	9,5		4.000	18,5	9,85	
5.000	22,4	10,8		5.000	21,1	11,2	
6.000	26,00			6.000	23,6		
8.000	32,00			8.000	28,2		
10.000	38,00			10.000	32,3		

## CORRUGATED CABLES FOAM 50 Ω AVERAGE POWER

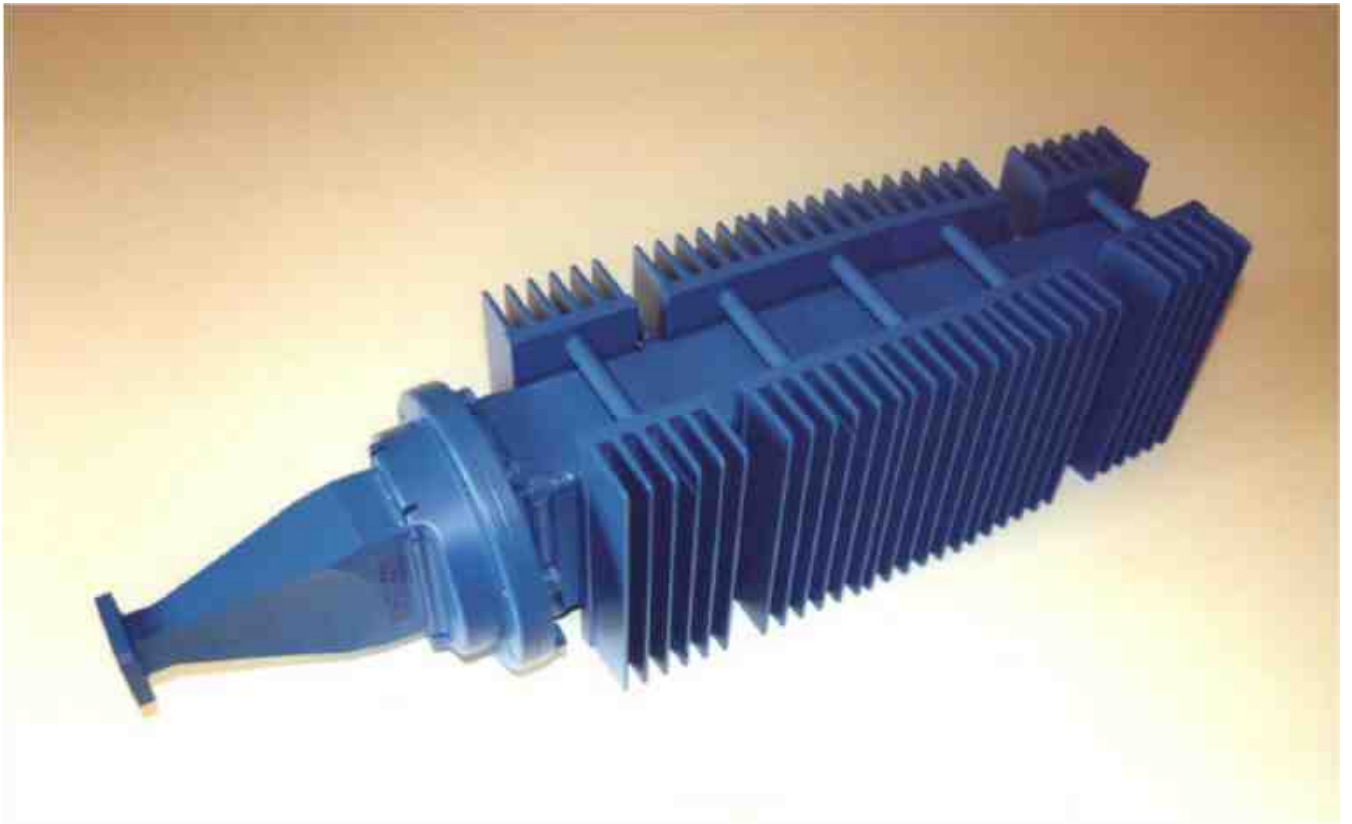
FREQUENCY MHz	Kw						
	1/4"	1/4" Superflex	1/2"	1/2" Superflex	3/8"	7/8"	1" 5/8
0,5	6,9	4	22	7,5	9,5	60	160
1	6,9	4	22	7,5	9,5	44	140
2	6,9	4	18	7,5	9,5	40	100
5	6	3,5	12	6,6	6,5	25	50
10	4,4	3	8	6	4,5	18	44
20	3	2	6	4,6	3,5	12	30
30	2,5	1,6	4	3,8	2,9	10	24
50	1,9	1,2	3,2	3	2	7,8	19
100	1,3	0,8	2,2	2,5	1,5	6	13
150	1	0,7	2	2	1	4,5	10
200	0,9	0,6	1,8	1,8	0,9	3,7	9
300	0,7	0,5	1,5	1,5	0,8	3	7,5
400	0,6	0,4	1,2	1,2	0,7	2,5	6
500	0,55	0,37	1	1	0,65	2,3	5
600	0,5	0,35	0,95	0,8	0,6	2	4,8
700	0,45	0,3	0,9	0,75	0,55	1,9	4,5
800	0,4	0,27	0,8	0,7	0,5	1,8	4,2
1.000	0,38	0,26	0,7	0,6	0,4	1,6	3,3
1.500	0,3	0,21	0,5	0,5	0,3	1,2	2,7
2.000	0,28	0,18	0,4	0,45	0,25	1	2
2.500	0,25	0,14	0,35	0,4	0,20	0,85	1,8
3.000	0,2	0,13	0,3	0,35	0,18	0,7	
4.000		0,12	0,24	0,3	0,15	0,65	
5.000		0,1	0,21	0,25	0,13	0,55	
6.000		0,095	0,19	0,20	0,12		
8.000		0,08	0,16	0,18	0,099		
10.000		0,07		0,16	0,088		
12.000		0,06			0,075		

## CORRUGATED CABLES FOAM 75 Ω AVERAGE POWER

FREQUENCY MHz	Kw					
	1/4" Superflex	1/2"	1/2" Superflex	7/8"		
0,5	3,3	13	5	60		
1	3,3	13	5	50		
2	3,3	10	5	35		
10	1,6	4,5	5	16		
20	1,15	3,3	3,5	11		
30	0,95	2,7	2,9	9		
50	0,7	2	2,2	7		
100	0,5	1,45	1,5	5		
150	0,4	1,2	1,25	4		
200	0,35	1	1	3,3		
300	0,28	0,8	0,9	2,7		
400	0,24	0,7	0,7	2,3		
500	0,21	0,6	0,65	2		
600	0,19	0,55	0,6	1,8		
700	0,17	0,5	0,55	1,7		
800	0,16	0,45	0,5	1,55		
900	0,15	0,4	0,45	1,4		
1.000	0,14	0,4	0,42	1,35		
1.500	0,11	0,35	0,35	1,05		
2.000	0,09	0,28	0,3	0,9		
2.500	0,08	0,25	0,25	0,8		
3.000	0,07	0,22	0,22	0,7		
4.000	0,06	0,19	0,2			
5.000	0,05	0,16	0,17			
6.000	0,04	0,15	0,15			
8.000	0,035	0,12	0,12			
10.000	0,03	0,10	0,10			

CORRUGATED CABLES AIR 50 Ω AVERAGE POWER				CORRUGATED CABLES AIR 75 Ω AVERAGE POWER			
FREQUENCY MHz	Kw			FREQUENCY MHz	Kw		
	1/2"	7/8"	1" 5/8		1/2"	7/8"	1" 5/8
0,5	10	54	180	0,5	7	29	98
1	10	54	145	1	7	29	98
2	10	44	110	2	7	29	98
10	7	22	48	10	5	14	55
20	5	15	34	20	3,5	10	37
30	4	12	27	30	2,9	8	30
50	3	10	20	50	2	6	22
100	2,3	6,5	15	100	1,5	4	15
150	1,8	5	12	150	1,2	3,5	12
200	1,5	4,5	10	200	1	3	10
300	1,2	3,5	8,5	300	0,9	2,5	8
400	1,1	3	7	400	0,7	2	7
500	0,92	2,8	6,5	500	0,65	1,8	6
600	0,85	2,5	5,5	600	0,6	1,6	5,6
700	0,8	2,2	5	700	0,55	1,5	5,2
800	0,75	2	4,8	800	0,5	1,4	4,9
900	0,7	1,9	4,5	900	0,48	1,3	4,5
1.000	0,65	1,85	4,3	1.000	0,46	1,2	4,3
1.500	0,5	1,5	3,5	1.500	0,36	1	3,4
2.000	0,45	1,3	2,9	2.000	0,3	0,85	2,8
2.500	0,4	1,1	2,5	2.500	0,26	0,7	2,5
3.000	0,35	1		3.000	0,24	0,6	2
4.000	0,3	0,85		4.000	0,2	0,5	
5.000	0,25	0,75		5.000	0,18	0,4	
6.000	0,2			6.000	0,16		
8.000	0,18			8.000	0,13		
10.000	0,15			10.000	0,12		

Our experience at your service

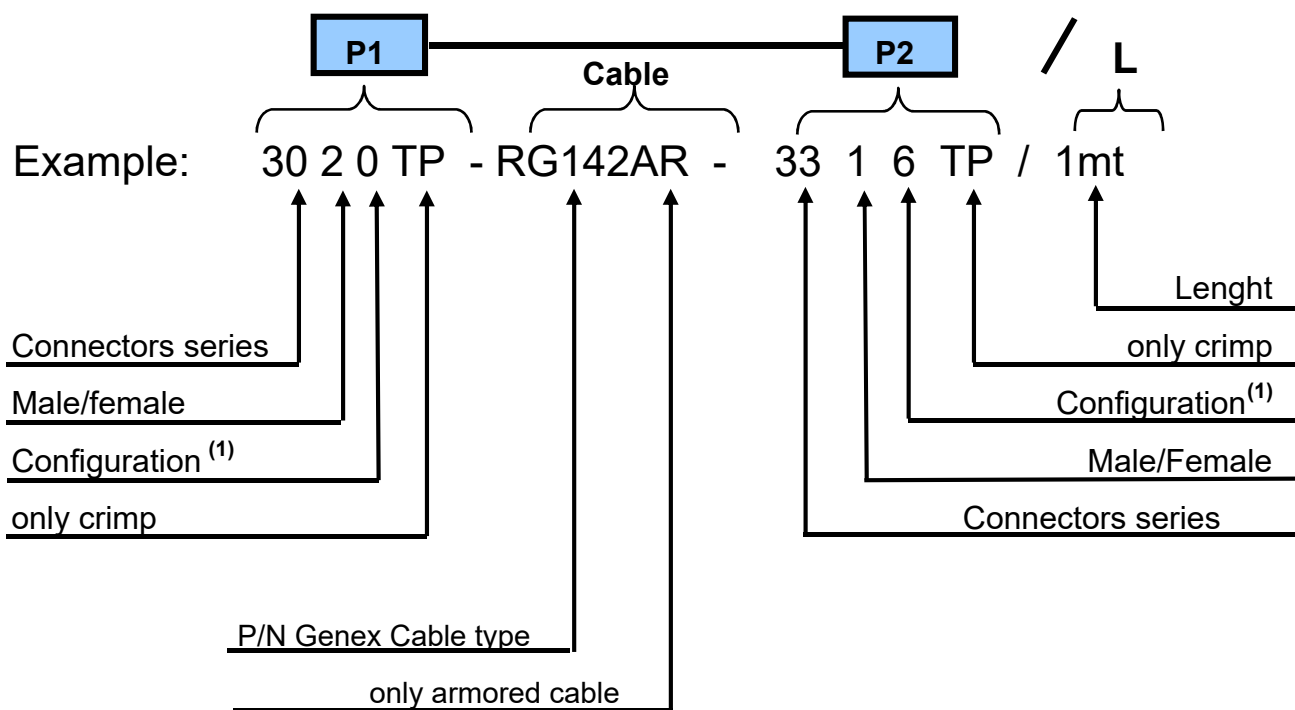


# CABLE ASSEMBLIES

GENEX RF assemblies RG, semirigid and corrugated cables and, on request, may provide a certification of attenuation, VSWR and phase measurements for matched cables for every assembly.



# PART NUMBER GENEX RF CABLE ASSEMBLIES



- (1) {
- 0 = straight
  - 4 = right angle 90°
  - 6 = panel mount square flange
  - 8 = bulkhead

RG CABLES (Radio Grade)			CORRUGATED CABLES		
<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>	<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>
RG 5	RG 5	50 Ω	1/4" FOAM	CLX14	50 Ω
RG 6	RG 6	75 Ω	1/4" SUPERFLEX	HCF14	50 Ω
RG 8	RG 8	50 Ω	1/4" SUPERFLEX	HCF147	75 Ω
RG 9	RG 9	50 Ω	3/8" FOAM	CLX13	50 Ω
RG 11	RG 11	75 Ω	3/8" SUPERFLEX	HCF13	50 Ω
RG 13	RG 13	75 Ω	3/8" AIR	FLX38	50 Ω
RG 14	RG 14	50 Ω	1/2" FOAM	CLX12	50 Ω
RG 17	RG 17	50 Ω	1/2" FOAM	CLX127	75 Ω
RG 19	RG 19	50 Ω	1/2" SUPERFLEX	HCF12	50 Ω
RG 34	RG 34	75 Ω	1/2" SUPERFLEX	HCF127	75 Ω
RG 58	RG 58	50 Ω	1/2" AIR	FLX12	50 Ω
RG 59	RG 59	75 Ω	1/2" AIR	FLX127	75 Ω
RG 62	RG 62	75 Ω	5/8" FOAM	CLX58	50 Ω
RG 71	RG 71	75 Ω	5/8" AIR	FLX58	50 Ω
RG 115	RG 115	50 Ω	5/8" AIR	FLX587	75 Ω
RG 122	RG 122	50 Ω	7/8" FOAM	CLX78	50 Ω
RG 141	RG 141	50 Ω	7/8" FOAM	CLX787	75 Ω
RG 142	RG 142	50 Ω	7/8" AIR	FLX78	50 Ω
RG 174	RG 174	50 Ω	7/8" AIR	FLX787	75 Ω
RG 178	RG 178	50 Ω	1"1/8 AIR	FLX18	50 Ω
RG 179	RG 179	75 Ω	1"1/8 AIR	FLX187	75 Ω
RG 187	RG 187	75 Ω	1"1/4 FOAM	CLX19	50 Ω
RG 188	RG 188	50 Ω	1"1/4 RADIAFLEX	RDF19	50 Ω
RG 196	RG 196	50 Ω	1"5/8 FOAM	CLX15	50 Ω
RG 212	RG 212	50 Ω	1"5/8 AIR	FLX15	50 Ω
RG 213	RG 213	50 Ω	1"5/8 AIR	FLX157	75 Ω
RG 214	RG 214	50 Ω	1"5/8 RADIAFLEX	RDF15	50 Ω
RG 216	RG 216	75 Ω	2"1/4 FOAM	CLX21	50 Ω
RG 217	RG 217	50 Ω	3" AIR	FLX29	50 Ω
RG 218	RG 218	50 Ω	3"1/8 AIR	FLX31	50 Ω
RG 220	RG 220	50 Ω	4"1/8 AIR	FLX40	50 Ω
RG 223	RG 223	50 Ω	4"1/2 AIR	FLX42	50 Ω
RG 225	RG 225	50 Ω	5" AIR	FLX55	50 Ω
RG 303	RG 303	50 Ω	6"1/8 AIR	FLX41	50 Ω
RG 316	RG 316	50 Ω			
RG 393	RG 393	50 Ω			



### SEMIRIGID CABLES

<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>
UT .047	UT047	50 Ω
UT .085	UT085	50 Ω
UT .085	UT0857	75 Ω
UT .141	UT141	50 Ω
UT .141	UT1417	75 Ω
UT .250	UT250	50 Ω

### LOW LOSS CABLES

<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>
ECOFLEX 10	ECF10	50 Ω
ECOFLEX 15	ECF15	50 Ω
H155 Belden	H155	50 Ω
LMR 400	LMR400	50 Ω
LMR 600	LMR600	50 Ω
BELDEN 9913	9913	50 Ω
S04272B Suhner	S04272B	50 Ω

### PREFORMED CABLES

<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>
UT/FLEX .047	UTFLEX047	50 Ω
UT/FLEX .085	UTFLEX085	50 Ω
UT/FLEX .141	UTFLEX141	50 Ω
UT/FLEX .250	UTFLEX250	50 Ω

### MULTIFLEX CABLES

<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>
MULTIFLEX 0.86	MLT86	50 Ω
MULTIFLEX .141	MLT141	50 Ω

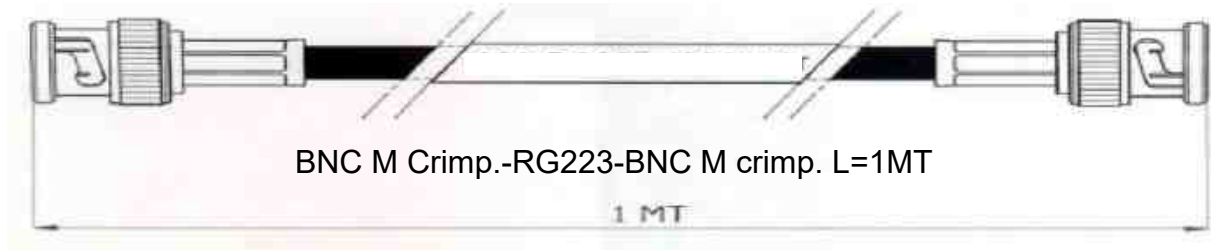
### ST CABLES

<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>
ST 112	ST112	75 Ω
ST 121	ST121	75 Ω
ST 212	ST212	75 Ω
ST 214	ST214	75 Ω

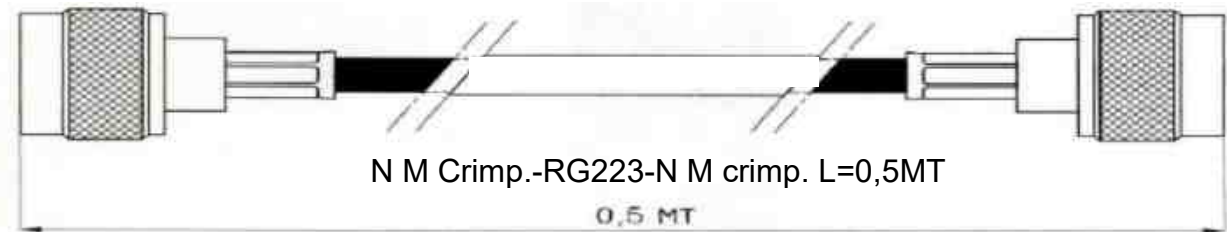
<i>Cable</i>	<i>P/N Genex</i>	<i>Imp.</i>

# EXAMPLES OF DRAWINGS OF CABLE ASSEMBLIES

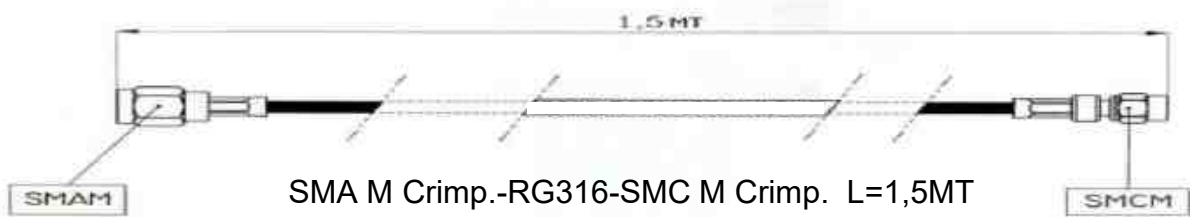
P/N Genex RF: 1020TP-RG223-1020TP/1MT



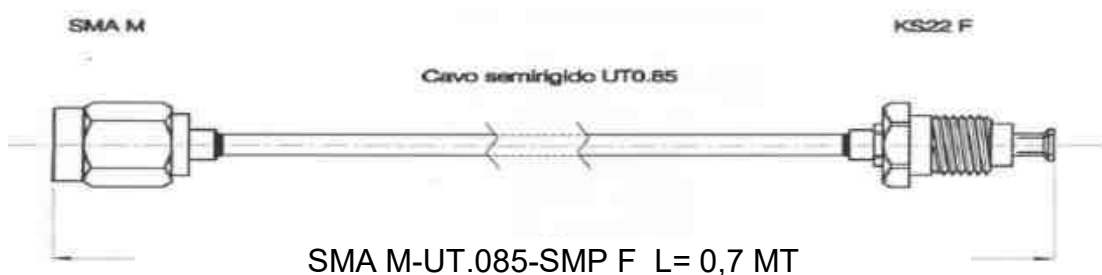
P/N Genex RF: 3020TP-RG223-3020TP/0,5MT



P/N Genex RF: 3320TP-RG316-3520TP/1,5MT



P/N Genex RF: 3320-UT085-KS2210/0,7MT



# EXAMPLES OF CUSTOM CABLE ASSEMBLIES



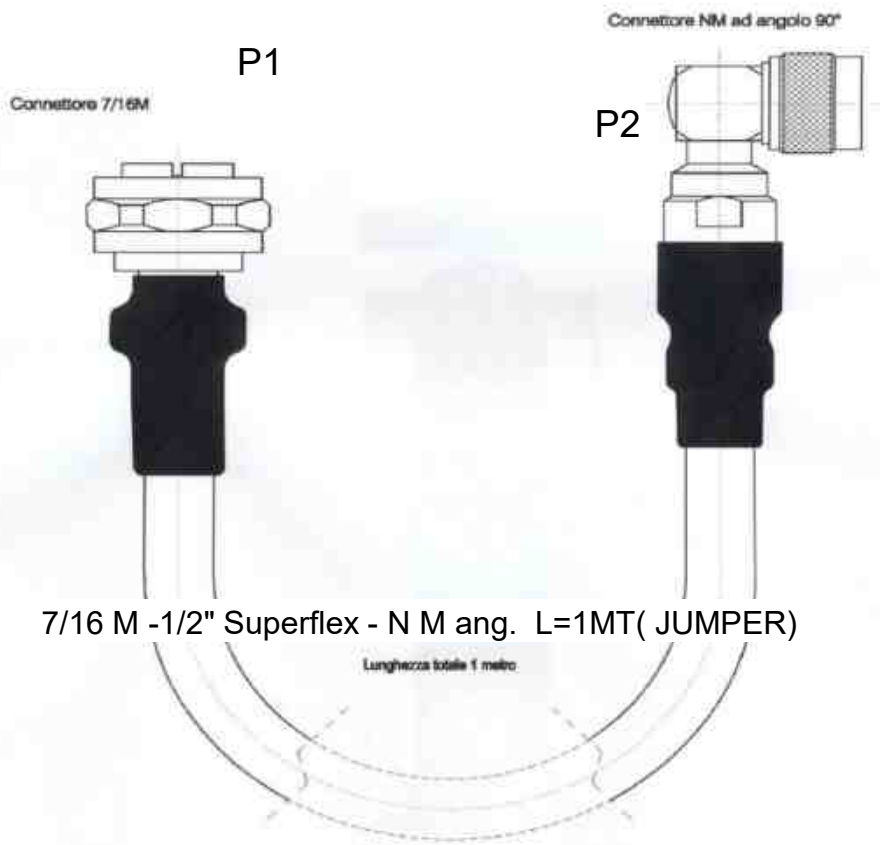
# JUMPER

GENEX RF assemblies Jumper with N or 7/16 straight or angled connectors , with lengths on request and may provide a certification of attenuation and VSWR for every assembly.



# EXAMPLES DRAWINGS OF JUMPER CABLES

P/N Genex RF: 7020HS-HCF12-3024H /1MT



# ACCESSORIES





## CASES FOR SERVICE RF

P/N : VLG/RDM/D

Fig. N° 1

Aluminum case/black rubberized fabric, dimensions 35x27x14, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 1	4,1/9,5 f - N f	6813301	50 OHM
NR. 1	DIN 7/16 f - N f	7013301	50 OHM
NR. 1	DIN 7/16 m - N f	7023301	50 OHM
NR. 1	SMA f - N f	3313301	50 OHM
NR. 1	SMA m - BNC m	3323102	50 OHM
NR. 1	SMA m - N f	3323301	50 OHM
NR. 2	1.0/2.3 f - 1,6/5,6 m	4213612	75 OHM
NR. 2	4,1/9,5 m - N f	6823301	50 OHM
NR. 2	N f - N f	3013301	50 OHM
NR. 1	Power divider 6 dB N f - f - f	DP3009011106	50 OHM
NR. 1	Dummy load N m 5 WATTS	C3020505	50 OHM
NR. 1	Assembly RG187 BNC m - BNC m L = 1 Mt	1020-RG187-1020	50 OHM
NR. 1	Assembly RG58 N m - N m L = 0,5 Mt	3020-RG58-3020	50 OHM
NR. 2	Assembly BANANA m - P.TO e Linea Int. 3,8 L = 1,5		
NR. 2	Assembly ST212 1,0/2,3 m - BNC m L = 1,5 Mt	4220-ST212-1020	75 OHM
NR. 2	Assembly RG 58 N m - N m L = 3 Mt	3020-RG58-3020	50 OHM
NR. 2	Assembly RG 223 TNC m - N m L = 3 Mt	2020-RG223-3020	50 OHM
NR. 3	Assembly BANANA m - BANANA m L = 1,5 Mt		

The same product can be manufactured with content and covers on specific needs of customer.

Aluminum case/black rubberized fabric, dimensions 45x32x14, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 1	N m - N m	3023302	50 OHM
NR. 2	N f - N f	3013301	50 OHM
NR. 1	N m - N f right angle 90°	3024301	50 OHM
NR. 1	T N f - m - f	30090121	50 OHM
NR. 1	BNC m - BNC m	1023102	50 OHM
NR. 2	BNC f - BNC f	1013101	50 OHM
NR. 1	T BNC f - m - f	10090121	50 OHM
NR. 2	SMA f - SMA f	3313331	50 OHM
NR. 1	DIN 7/16 m - N f	7023301	50 OHM
NR. 1	DIN 7/16 f - N m	7013302	50 OHM
NR. 1	DIN 7/16 f - N f	7013301	50 OHM
NR. 2	TNC f - TNC f	2013201	50 OHM
NR. 2	SMA m - N f	3323301	50 OHM
NR. 1	SMA f - N m	3313302	50 OHM
NR. 1	SMA f - N f	3313301	50 OHM
NR. 2	N f - BNC m	3013102	50 OHM
NR. 2	N m - BNC f	3023101	50 OHM
NR. 2	SMA f - BNC m	3313102	50 OHM
NR. 2	SMA m - BNC f	3323101	50 OHM
NR. 1	BNC m - BANANA	1020-BAN	50 OHM
NR. 2	TNC m - N f	3013202	50 OHM
NR. 2	TNC f - N m	3023201	50 OHM
NR. 2	TNC m - BNC f	2023101	50 OHM
NR. 2	TNC f - BNC m	2013102	50 OHM
NR. 1	4,1/9,5 f - N f	6813301	50 OHM
NR. 1	4,1/9,5 m - N f	6823301	50 OHM
NR. 1	1,6/5,6 f - BNC m	6113102	75 OHM
NR. 1	1,6/5,6 m - BNC f	6123102	75 OHM
NR. 1	MINI UHF f - BNC m	4113102	50 OHM
NR. 1	MINI UHF m - BNC f	4123101	50 OHM
NR. 1	Assembly RG 142 N m - N m L =1,5 Mt	3020RG1423020	50 OHM
NR. 1	Assembly RG 142 TNC m - TNC m L = 1,5 Mt	2020RG1422020	50 OHM
NR. 1	Assembly RG 142 4,1/9,5 m Ang. 90° - N m L = 1,5 Mt	6824RG1423020	50 OHM
NR. 1	Attenuator N 20 WATTS -3dB	AT302003	50 OHM
NR. 1	Power divider TNC f - f - f -6dB	DP2009011106	50 OHM

The same product can be manufactured with content and covers on specific needs of customer.



Aluminum case/black rubberized fabric, dimensions 30x27x10, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	1,6/5,6 f - 1,6/5,6 f	6113611	75 OHM
NR. 2	1,6/5,6 f - BNC f	6113101	75 OHM
NR. 2	1,6/5,6 m - BNC f	6123101	75 OHM
NR. 2	1,6/5,6 f - BNC m	6113102	75 OHM
NR. 2	1,6/5,6 f - N f	6113301	75 OHM
NR. 2	DIN 7/16 FLANGE - N f	7403301	50 OHM
NR. 2	1,0/2,3 f - BNC m	4213102	50 OHM
NR. 2	1,0/2,3 m - BNC f	4223101	50 OHM
NR. 2	1,0/2,3 m - 1,6/5,6 f	4223611	75 OHM
NR. 2	F m - N f	4423301	50 OHM
NR. 2	F f - BNC f	4413101	75 OHM
NR. 2	N f-N f	3013301	50 OHM
NR. 2	F m - BNC f	4423101	75 OHM
NR. 2	F f - F f	4413441	75 OHM

The same product can be manufactured with content and covers on specific needs of customer.

Aluminum case/black rubberized fabric, dimensions 43x23x12, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	T BNC f - m - f	10090121	50 OHM
NR. 2	TN f - m - f	30090121	50 OHM
NR. 2	1,6/5,6 m - 1,0/2,3 f	4213612	75 OHM
NR. 2	1,6/5,6 f - 1,0/2,3 m	4223611	75 OHM
NR. 2	1,6/5,6 f - 1,6/5,6 f	6113611	75 OHM
NR. 2	1,6/5,6 f - BNC m	6113102	75 OHM
NR. 2	1,6/5,6 m - BNC f	6123101	75 OHM
NR. 2	BNC f - BNC f	1013101	50 OHM
NR. 2	BNC m - BNC m	1023102	50 OHM
NR. 2	N f - 1,6/5,6 m	6123301	75 OHM
NR. 2	N f - BNC m	3013102LV	50 OHM
NR. 2	N f - N f	3013301LV	50 OHM
NR. 2	N f - SMA m	3323301LV	50 OHM
NR. 2	N m - BNC f	3023101LV	50 OHM
NR. 2	N m - N m	3023302LV	50 OHM
NR. 2	N m - SMA f	3313302LV	50 OHM
NR. 2	SMA f - SMA f	3313331LV	50 OHM
NR. 2	SMA f - SMA m	3323331LV	50 OHM
NR. 2	SMA m - SMA f right angle 90°	3324331LV	50 OHM
NR. 2	SMA m - BNC f	3323101LV	50 OHM
NR. 2	Dummy load BNC m 1 WATT	C1020701	75 OHM
NR. 2	Dummy load N m 1 WATT low loss	C3020501LV	50 OHM
NR. 2	Assembly SMA m - SMA m L= 2 Mt.		

The same product can be manufactured with content and covers on specific needs of customer.

## P/N : VLG/WIND/B (continued)

Aluminum case/black rubberized fabric, dimensions 45x36x16, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	TNC f - BNC f	2013101	50 OHM
NR. 2	TNC m - N f	3013202	50 OHM
NR. 2	TNC f - BNC m	2013102	50 OHM
NR. 2	SMA m - N m	3323302	50 OHM
NR. 1	TNC m - TNC m	2023202	50 OHM
NR. 2	BNC m - BNC m	1023102	50 OHM
NR. 2	BNC m - N m	3023102	50 OHM
NR. 2	SMA m - SMA m	3323332	50 OHM
NR. 2	TNC m - BNC f	2023101	50 OHM
NR. 1	SMA f - N m	3313302	50 OHM
NR. 2	DIN 7/16 m - DIN 7/16 m	7023702	50 OHM
NR. 2	BNC m - N f	3013102	50 OHM
NR. 2	TNC f - N m	3023201	50 OHM
NR. 2	N f - N f	3013301	50 OHM
NR. 2	TNC m - BNC m	2023102	50 OHM
NR. 2	BNC f - N f	3013101	50 OHM
NR. 2	SMA f - N f	3313301	50 OHM
NR. 2	TNC f - TNC f	2013201	50 OHM
NR. 2	SMA f - SMA f	3313331	50 OHM
NR. 2	BNC f - BNC f	1013101	50 OHM
NR. 2	N m - N m	3023302	50 OHM
NR. 2	N f - TNC f	3013201	50 OHM
NR. 2	DIN 7/16 f - N m	7013302	50 OHM
NR. 2	DIN 7/16 m - N f	7023301	50 OHM
NR. 2	DIN 7/16 f - DIN 7/16 f	7013701	50 OHM
NR. 2	4,1/9,5 f - N m	6813302	50 OHM
NR. 2	4,1/9,5 m - N f	6823301	50 OHM
NR. 2	T BNC f - m - f	10090121	50 OHM
NR. 1	N m - N f right angle 90°	3024301	50 OHM
NR. 1	BNC m - BANANA	1020-ban	50 OHM
NR. 2	SMC m - N f	3523302	50 OHM
NR. 2	SMC f - SMC f	3513351	50 OHM
NR. 1	Power divider N f - f - f -6dB	DP3009011106	50 OHM
NR. 2	Assembly RG223 BNC m - BNC m L=1 Mt	1020-RG223-1020	50 OHM
NR. 2	Assembly RG223 N m - N m L=1,5 Mt	3020-RG223-3020	50 OHM

P/N : VLG/WIND/B

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	Assembly RG223 N m - N m L=0,5 Mt	3020-RG223-3020	50 OHM
NR. 2	Assembly RG316 SMA m - SMC m L=1,5 Mt	3320-RG316-3520	50 OHM
NR. 1	Dummy load N m 2 WATTS	C3020520	50 OHM
NR. 1	Short N f	CC3010	50 OHM
NR. 1	Short N m	CC3020	50 OHM
NR. 2	1,0/2,3 m - BNC f	4223101	75 OHM
NR. 2	1,0/2,3 f - 1,0/2,3 f	4213421	75 OHM
NR. 2	1,0/2,3 m - 1,6/5,6 f	4223611	75 OHM
NR. 2	1,0/2,3 f - 1,6/5,6 m	4213612	75 OHM
NR. 2	1,6/5,6 f - BNC m	6113102	75 OHM
NR. 2	SMA m - N f	3323301	50 OHM
NR. 1	Assembly N m - N m L=1,5 Mt		
NR. 2	DIN 7/16 f - N f	7013301	50 OHM

The same product can be manufactured with content and covers on specific needs of customer.

P/N : VLG/RAI/3HT

Fig. N° 5

Aluminum case/black rubberized fabric, dimensions 33x30x9, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	
NR. 1	Crimping tool for cables RG 58-59-142-223-6-62	PNZ1	
NR. 1	Crimping tool for cables RG 58-11-213-214-216-142-223	PNZ3	
NR. 1	Crimping tool for cable ST212 (microcoax)	PNZ5	

The same product can be manufactured with content and covers on specific needs of customer.

## P/N : VLG/CNT/C

Aluminum case/black rubberized fabric, dimensions 33x29x6,5, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	BNC m - BNC f	1023101	50 OHM
NR. 2	BNC m - BNC m	1023102	50 OHM
NR. 2	BNC f - BNC f	1013101	50 OHM
NR. 2	1,6/5,6 m - 1,6/5,6 f (N2 m / N2 f)	6123611	75 OHM
NR. 2	1,6/5,6 m - 1,6/5,6 m (N2 m / N2 m)	6123612	75 OHM
NR. 2	1,6/5,6 f - 1,6/5,6 f (N2 f / N2 f)	6113611	75 OHM
NR. 2	1,6/5,6 m - 1,0/2,3 m (N2 m / N3 m)	4223612	75 OHM
NR. 2	1,6/5,6 m - 1,0/2,3 f (N2 m / N3 f)	4213612	75 OHM
NR. 2	1,6/5,6 f - 1,0/2,3 m (N2 f / N3 m)	4223611	75 OHM
NR. 2	1,6/5,6 f - 1,0/2,3 f (N2 f / N3 f)	4213611	75 OHM
NR. 2	1,0/2,3 m - 1,0/2,3 f (N3 m / N3 f)	4223421	75 OHM
NR. 2	1,0/2,3 m - 1,0/2,3 m (N3 m / N3 m)	4223422	75 OHM
NR. 2	1,0/2,3 f - 1,0/2,3 f (N3 f / N3 f)	4213421	75 OHM
NR. 2	1,6/5,6 m - BNC f	6123101	75 OHM
NR. 2	1,6/5,6 m - BNC m	6123102	75 OHM
NR. 2	1,6/5,6 f - BNC f	6113101	75 OHM
NR. 2	1,6/5,6 f - BNC m	6113102	75 OHM
NR. 2	Dummy load 1,0/2,3 m (N3) 1 WATT	C4220701	75 OHM
NR. 2	Decoupled -20dB		
	connectors 1,6/5,6 (N2) f - f - m	DS61090112	75 OHM
NR. 2	Decoupled -20dB		
	connectors 1,0/2,3 (N3) f - f - m	DS42090112	75 OHM

The same product can be manufactured with content and covers on specific needs of customer.

Aluminum case/black rubberized fabric, dimensions 35x27x14, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	BNC m - BNC m	1023102	50 OHM
NR. 1	BNC m - N f	3013102	50 OHM
NR. 2	BNC f - BNC f	1013101	50 OHM
NR. 1	TNC m - BNC f	2023101	50 OHM
NR. 1	TNC m - N f	3013202	50 OHM
NR. 1	N m - N m	3023302	50 OHM
NR. 1	N m - BNC f	3023101	50 OHM
NR. 2	SMA f - SMA f	3313331	50 OHM
NR. 1	SMA f - N m	3313302	50 OHM
NR. 2	N f - N f	3013301	50 OHM
NR. 1	SMA m - N m	3323302	50 OHM
NR. 1	SMA m - N f	3323301	50 OHM
NR. 2	DIN 7/16 m - N f	7023301	50 OHM
NR. 2	DIN 7/16 f - DIN 7/16 f	7013701	50 OHM
NR. 2	DIN 7/16 f - N m	7013302	50 OHM
NR. 2	1,6/5,6 m - BNC f	6123101	75 OHM
NR. 2	1,6/5,6 f - 1,6/5,6 f	6113611	75 OHM
NR. 1	Attenuator N 20 WATTS -3 dB	AT302003	50 OHM
NR. 1	Attenuator N 20 WATTS -6 dB	AT302006	50 OHM
NR. 1	Attenuator N 50 WATTS -10 dB	AT305010	50 OHM
NR. 1	Attenuator N 50 WATTS -20 dB	AT305020	50 OHM
NR. 1	Dummy load N m 25 WATTS	C3020525	50 OHM
NR. 1	Dummy load N m 50 WATTS	C3020550	50 OHM
NR. 2	Assembly RG 59 BNC m - BNC m L = 10 Mt	1020RG591020	75 OHM

The same product can be manufactured with content and covers on specific needs of customer.

## P/N : VLG/RAI/AB (continued)

Aluminum case/black rubberized fabric, dimensions 47x37x14, lined with black rubber shock-resistant, closed cell, punched and shaped to fit for the secure transport of the following components:

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 1	Directional coupler SMA -20dB DC/12 -18GHz	DT33112015	50 OHM
NR. 1	DC BLOCK N	DCB302010IE	50 OHM
NR. 2	N f - N f DC/18 GHz	3013301LV	50 OHM
NR. 2	N m - N m DC/18 GHz	3023302LV	50 OHM
NR. 2	N m - BNC m	3023102	50 OHM
NR. 2	N m - BNC f	3023101	50 OHM
NR. 2	N f - BNC m	3013102	50 OHM
NR. 2	N f - BNC f	3013101	50 OHM
NR. 2	N m - F f	3023441	50 OHM
NR. 2	N f - F f	3013441	50 OHM
NR. 2	N f - F m	3013442	50 OHM
NR. 2	SMA m - N m DC/18GHz	3323302LV	50 OHM
NR. 2	SMA f - N m DC/18GHz	3313302LV	50 OHM
NR. 2	SMA m - N f DC/18GHz	3323301LV	50 OHM
NR. 2	SMA f - N f DC/18GHz	3313301LV	50 OHM
NR. 1	Dummy load N m 1 WATT DC/18 GHz	C3020501LV	50 OHM
NR. 1	Dummy load SMA m 1 WATT DC/18 GHz	C3320501LV	50 OHM
NR. 1	Dummy load BNC m 1 WATT DC/1 GHz	C1020501	50 OHM
NR. 1	Dummy load BNC m 1 WATT DC/500 MHz	C1020701	75 OHM
NR. 1	Power divider 1/2 N f	DPR3011X2511	50 OHM
NR. 1	Power divider 1/2 SMA f	DPR3311X2516	50 OHM
NR. 1	Power divider 1/2 BNC f	DPR1011X2701	75 OHM
NR. 1	Power divider 1/2 BNC f	DPR1011X2501	50 OHM
NR. 1	Torque wrenches SMA m	CHV332	
NR. 1	Impedance adapters BNC f - BNC f	AI10151017	50/75 OHM
NR. 2	1,6/5,6 f - BNC f	6113101	75 OHM
NR. 2	1,6/5,6 f - BNC m	6113102	75 OHM
NR. 2	1,6/5,6 m - BNC m	6123102	75 OHM
NR. 2	1,6/5,6 m - BNC f	6123101	75 OHM
NR. 2	F f - F f	4413441	75 OHM
NR. 2	F m - F m	4423442	75 OHM

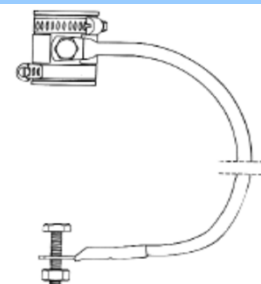
P/N : VLG/RAI/AB

Q.TY	Description	P/N GENEX RF	IMPEDANCE
NR. 2	SMA f - SMA f	3313331	50 OHM
NR. 2	SMA m - SMA m	3323332	50 OHM
NR. 2	BNC f - BNC f	1013101	50 OHM
NR. 2	BNC f - BNC f	10131017	75 OHM
NR. 2	UHF m - UHF m	4023402	50 OHM
NR. 2	UHF f - UHF f	4013401	50 OHM
NR. 2	UHF m - BNC f	4023101	50 OHM
NR. 2	UHF f - BNC m	4013102	50 OHM
NR. 2	UHF f - BNC f	4013101	50 OHM
NR. 1	Attenuator SMA -3dB 2 WATTS DC/18 GHz	AT330203	50 OHM
NR. 1	Attenuator SMA -6dB 2 WATTS DC/18 GHz	AT330206	50 OHM
NR. 1	Attenuator SMA -10dB 2 WATTS DC/18 GHz	AT330210	50 OHM
NR. 1	Attenuator SMA -20dB 2 WATTS DC/18 GHz	AT330220	50 OHM
NR. 1	Attenuator BNC -3dB 2 WATTS DC/70 MHz	AT1002037	75 OHM
NR. 1	Attenuator BNC -6dB 2 WATTS DC/70 MHz	AT1002067	75 OHM
NR. 1	Attenuator BNC -10dB 2 WATTS DC/70 MHz	AT1002107	75 OHM
NR. 1	Attenuator BNC -20dB 2 WATTS DC/70 MHz	AT1002207	75 OHM
NR. 2	TNC m - BNC f	2023101	50 OHM
NR. 2	TNC f - BNC f	2013101	50 OHM
NR. 2	TNC f - BNC m	2013102	50 OHM
NR. 2	TNC f - TNC f	2013201	50 OHM
NR. 2	TNC f - TNC m	2023201	50 OHM
NR. 2	Assembly SMA m - SMA m L = 2 Mt		50 OHM

The same product can be manufactured with content and covers on specific needs of customer.



## GROUNDING KITS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
KIT11	Grounding kit for RG 213 cable		
KIT12	Grounding kit for 1/2" foam cable		19
KIT14	Grounding kit for 1/4" foam cable		
KIT78	Grounding kit for 7/8" foam cable		
KIT15	Grounding kit for 1"5/8 foam cable		20

## CRIMPING TOOLS




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PNZ1	Crimping tool for cables RG 58-59-62-223-SAT 703B		7
PNZ3	Crimping tool for cables RG 58-11-213-214-216		8
PNZ4	Crimping tool for cables RG 58-59-142-223		10
PNZ5	Crimping tool for cable ST 212		9
PNZ7	Crimping tool for cable RG 6		11
PNZ8	Crimping tool for cable RG 174		12

## WRENCHES

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CHV332	Torque wrench for SMA connector		13
CHV4210	Wrench for 1.0/2.3 f connector		14

## EXTRACTORS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EST4220 	Extractor for 1.0/2.3 m connector		15
EST750001	Extractor for inner EIA 1"5/8		16

## STRIPPING TOOLS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
SPCKIT12	Stripping tool for grounding kit 1/2" foam		17
SPCKIT78	Stripping tool for grounding kit 7/8" foam		18



## CONTACTS FOR CIRCULAR CONNECTORS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CNT0011501	male-male contact for pcb		21
CNT0011601	male-female armored contact for pcb		22
CNT0013701	male-male contact		23
CNT0019601	male-male contact for pcb		24
CNT0025401	male-female armored contact for pcb		25
SPCNT00241	male crimp for cable AWG20		26
SPCNT00242	male crimp for cable AWG22		27
SPCNT00243	female crimp contact for cable AWG20		28
SPCNT00244	female crimp contact for cable AWG22		29

## SWITCHING PANELS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PNL4216	Switching panel 1.0/2.3 connectors	16 position	
PNL4232 	Switching panel 1.0/2.3 connectors	32 position	
PNL6108	Switching panel 1.6/5.6 connectors	8 position	
PNL6116 	Switching panel 1.6/5.6 connectors	16 position	

# PATCH PANELS

## AUDIO PATCH PANEL



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PNL1UDIAL96	Standard Rack panel 1 U 96 IN banana female	with label holder	34


## VIDEO PATCH PANEL



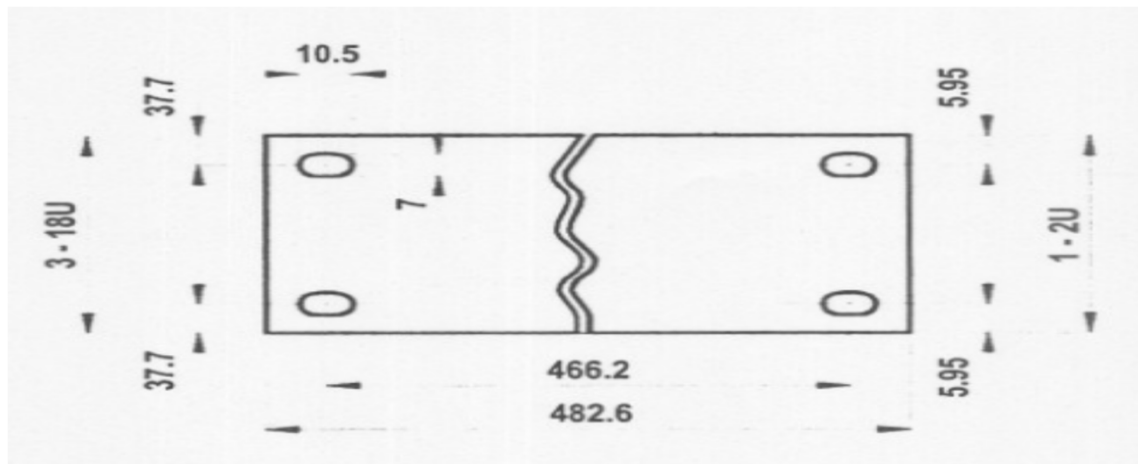
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PNL1U39116	Standard rack panel 1U 16 IN fischiotto f-BNC f	with label holder	31

## AVERAGE FREQUENCY PATCH PANEL



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PNL1U61116 	Standard rack panel 1 U 16 IN 1.6/5.6 f 75 Ω	with label holder	32
PNL1U62115	Standard rack panel 1U 15 IN 1.8/5.6 f 50 Ω	with label holder	33

## STANDARD PATCH PANELS 19"



Module	Height	
1 units	43.6 mm	1.71"
2 units	88.1 mm	3.46"
3 units	132.5 mm	5.21"
4 units	177.0 mm	6.96"
5 units	221.5 mm	8.72"
6 units	266.0 mm	10.47"
7 units	310.5 mm	12.22"
8 units	355.0 mm	13.97"
9 units	399.0 mm	15.70"
10 units	443.5 mm	17.46"
12 units	532.5 mm	20.96"
15 units	666.0 mm	26.22"
18 units	799.5 mm	31.47"

**Panel Thickness: Aluminum from 3 to 4 mm**



# DRAWINGS ACCESSORIES



Fig.1

P/N VLG/RDM/D



P/N VLG/RDM/B

Fig.2



Fig.3

P/N VLG/RAI/C



P/N VLG/PTR/E

Fig.4



Fig.5

P/N VLG/RAI/3HT



P/N VLG/OMN/A

Fig.6

# DRAWINGS ACCESSORIES



**Fig.7**

**P/N PNZ1**



**P/N PNZ3**

**Fig.8**



**Fig.9**

**P/N PNZ5**



**P/N PNZ4**

**Fig.10**



**Fig.11**

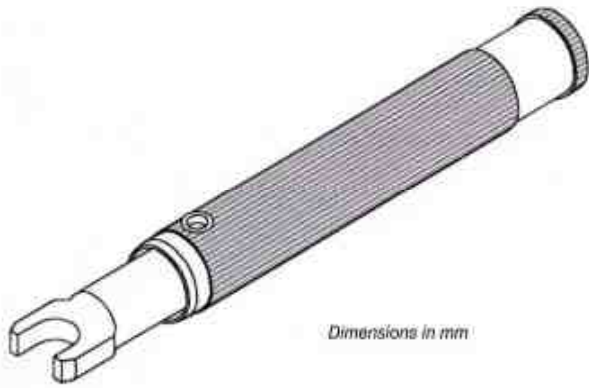
**P/N PNZ7**



**P/N PNZ8**

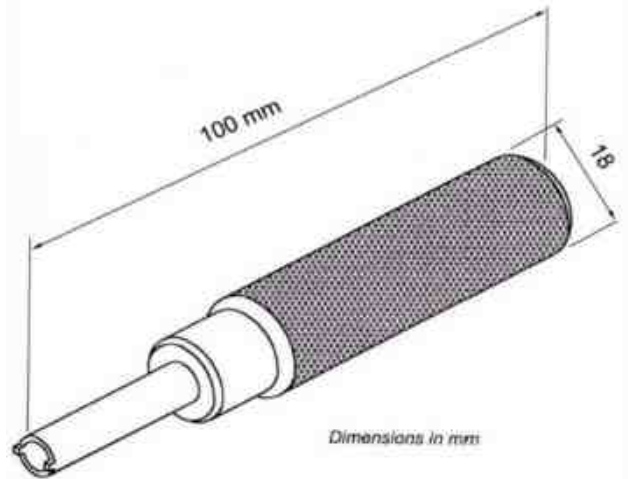
**Fig.12**

# DRAWINGS ACCESSORIES



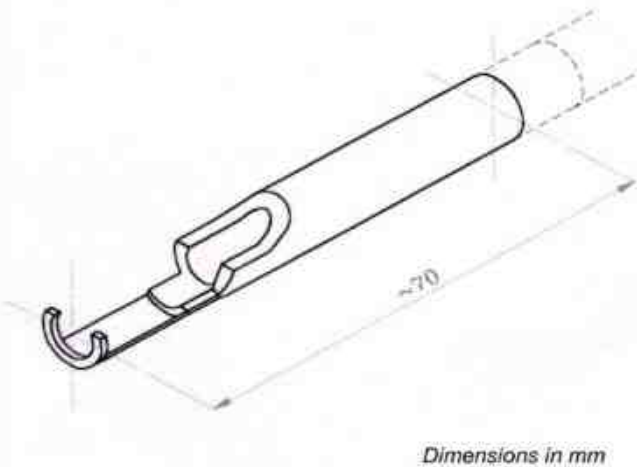
**Fig.13**

**P/N CHV332**



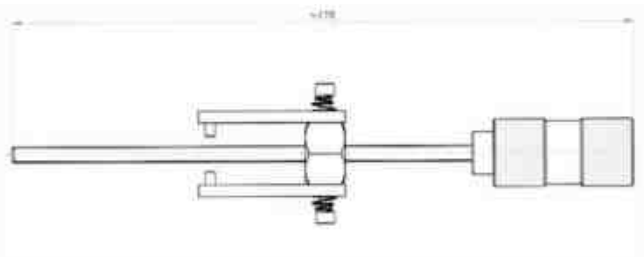
**P/N CHV4210**

**Fig.14**



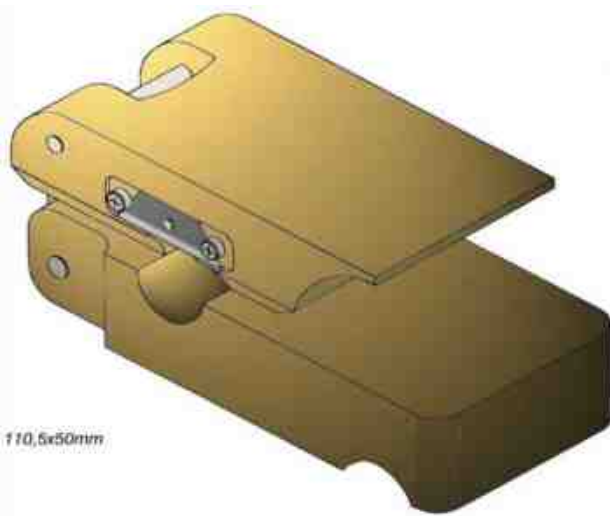
**Fig.15**

**P/N EST4220**



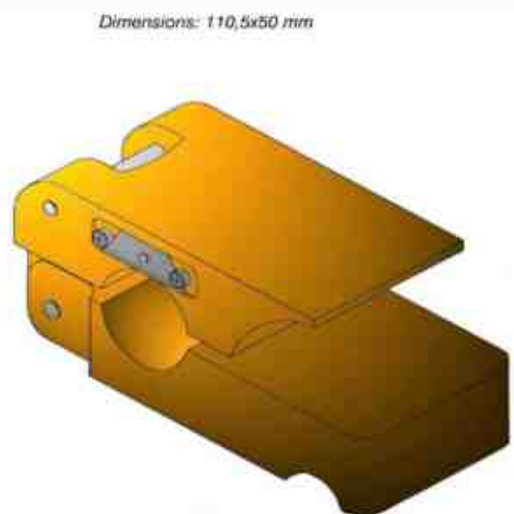
**P/N EST750001**

**Fig.16**



**Fig.17**

**P/N SPCKIT12**



**P/N SPCKIT78**

**Fig.18**



# DRAWINGS ACCESSORIES

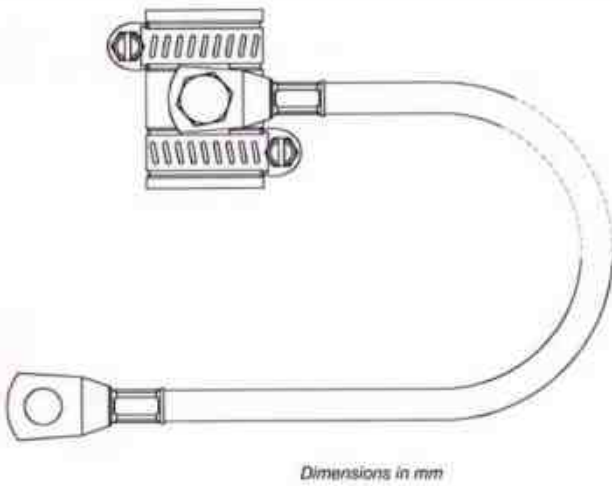
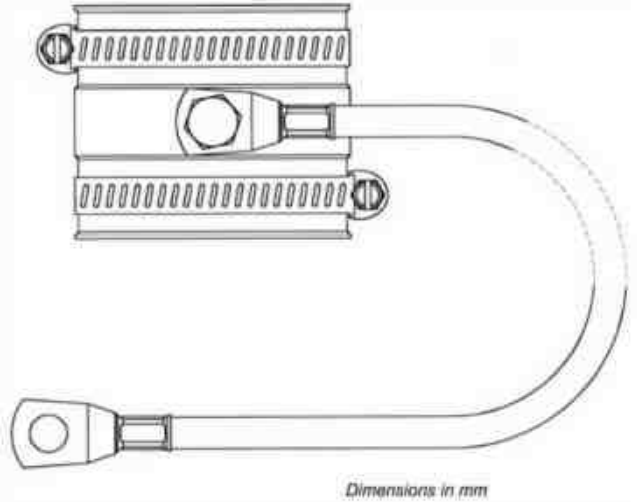


Fig.19

P/N KIT12



P/N KIT15

Fig.20

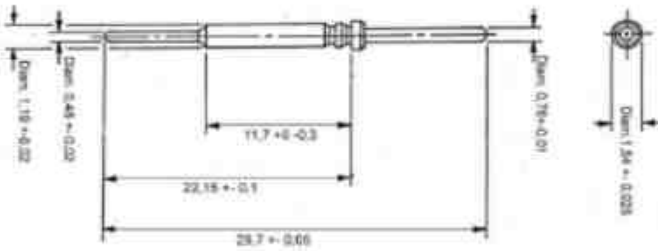
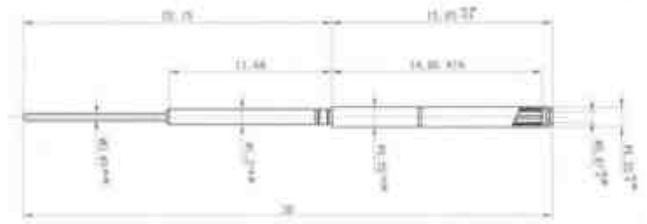


Fig.21

P/N CNT0011501



P/N CNT0011601

Fig.22

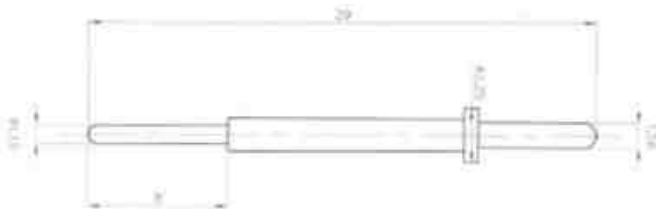
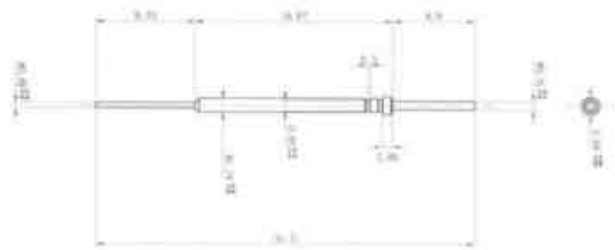


Fig.23

P/N CNT0013701



P/N CNT0019601

Fig.24

# DRAWINGS ACCESSORIES

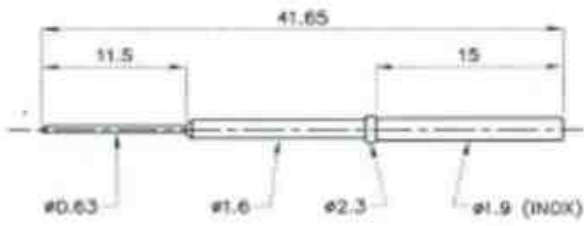
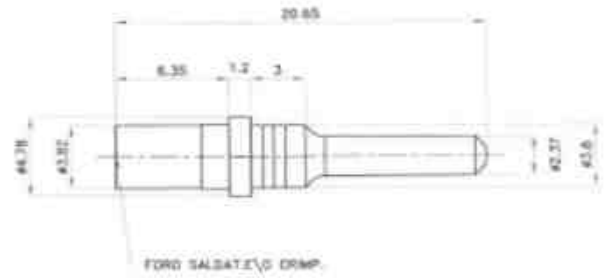


Fig.25

P/N CNT0025401



P/N SPCNT00241

Fig.26

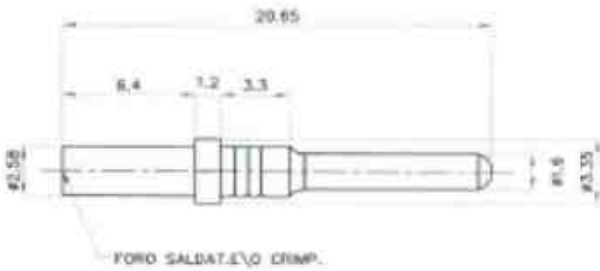
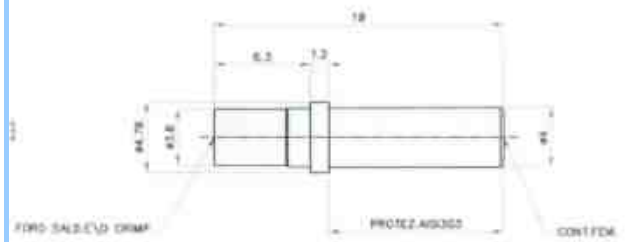


Fig.27

P/N SPCNT00242



P/N SPCNT00243

Fig.28

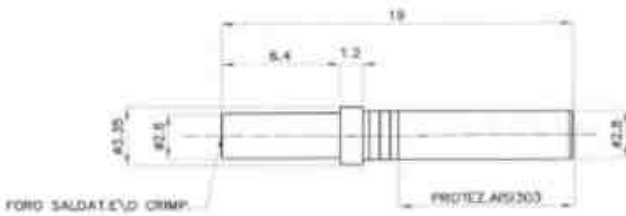


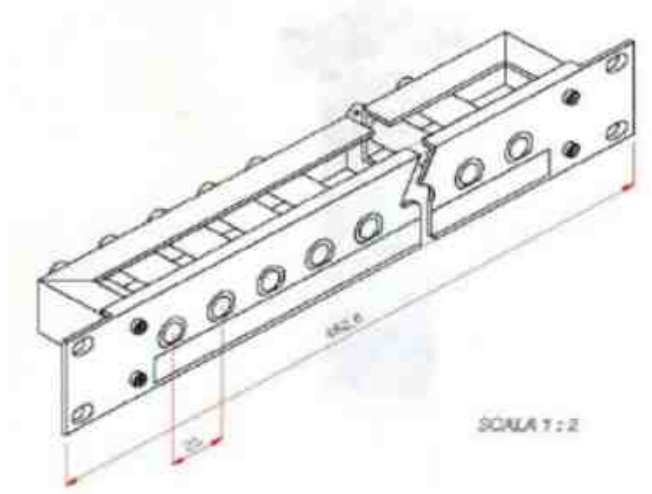
Fig.29

P/N SPCNT00244

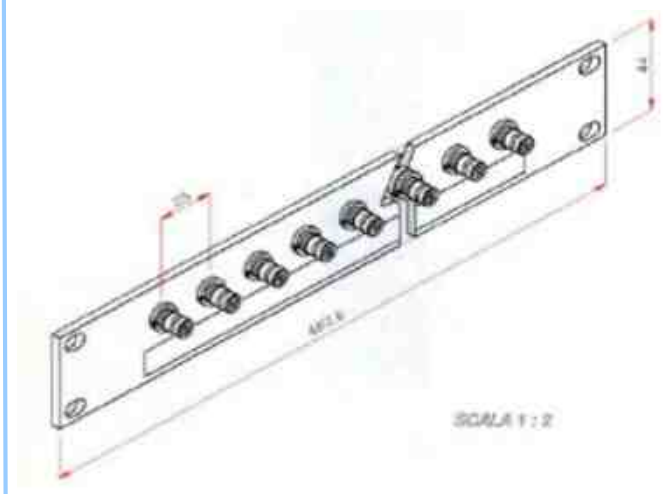
P/N

Fig.30

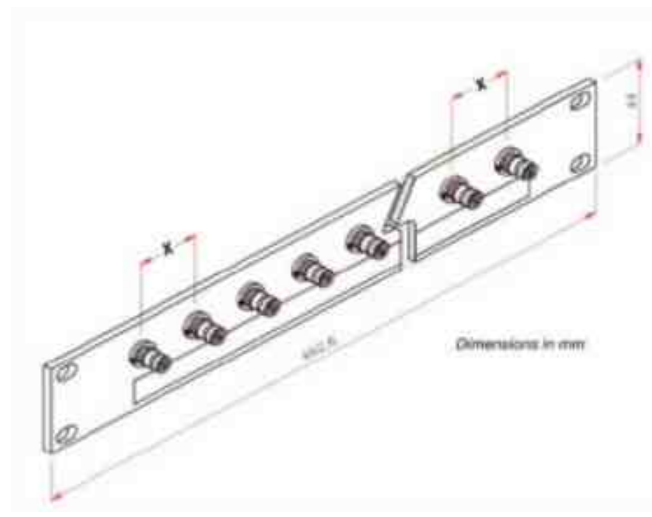
# DRAWINGS ACCESSORIES



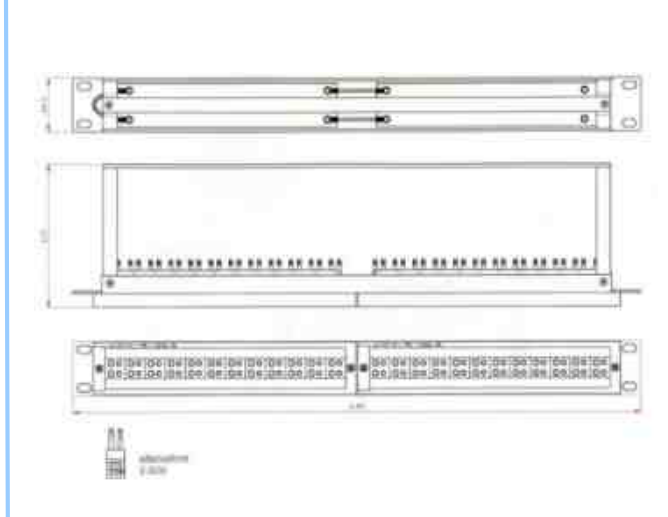
**Fig.31** P/N PNL1U39116



P/N PNL1U61116 **Fig.32**



**Fig.33** P/N PNL1U62115



P/N PNL1UDIAL 96 **Fig.34**

**Fig.35** P/N

P/N **Fig.36**

# MICROWAVE COMPONENTS



# GENEX RF PART NUMBER OF MICROWAVE COMPONENTS

## COMPONENTS

AI	INDUCTIVE IMPEDANCE ADAPTER	DTC	DETECTOR
AIR	RESISTIVE IMPEDANCE ADAPTER	EM	EMP PROTECTOR
ANT	ANTENNA	FT	FILTER
AT	ATTENUATOR	FTD	DUPLEXER FILTER
ATA	AUDIO ATTENUATOR	GR	ROTARY JOINT
ATV	VARIABLE ATTENUATOR	HRN	HORN REFLECTOR ANTENNA
C	TERMINATION	IBR	HYBRID COUPLER
CA	OPEN CIRCUIT	LR	RIGID LINE
CC	SHORT CIRCUIT	PH	PHASE VARACTOR
CD	MISMATCHED LOAD	PNL	RACK PANEL
DCB	DC BLOCK	PT	BRIDGE
DPC	CAPTIVE POWER SPLITTER <sup>(1)</sup>	SPL	SPLICE CABLE JUNCTION
DPI	INDUCTIVE POWER SPLITTER	T	PROTECTION
DPR	RESISTIVE POWER SPLITTER	TI	IMPEDANCE TRANSITION
DT	DIRECTIONAL COUPLER		

(1) LOW TAPPER

## CONFIGURATION

0	AIR	5	SQUARE PANEL MOUNT OPEN CONTACT
1	FEMALE	6	SQUARE PANEL MOUNT WITH BACK NUT
2	MALE	7	ESAGONAL NUTCASE PANEL OPEN CONTACT
3	REDUCTION	8	ESAGONAL NUTCASE PANEL WITH BACK NUT
4	ANGLE	9	" T " CONFIGURATION

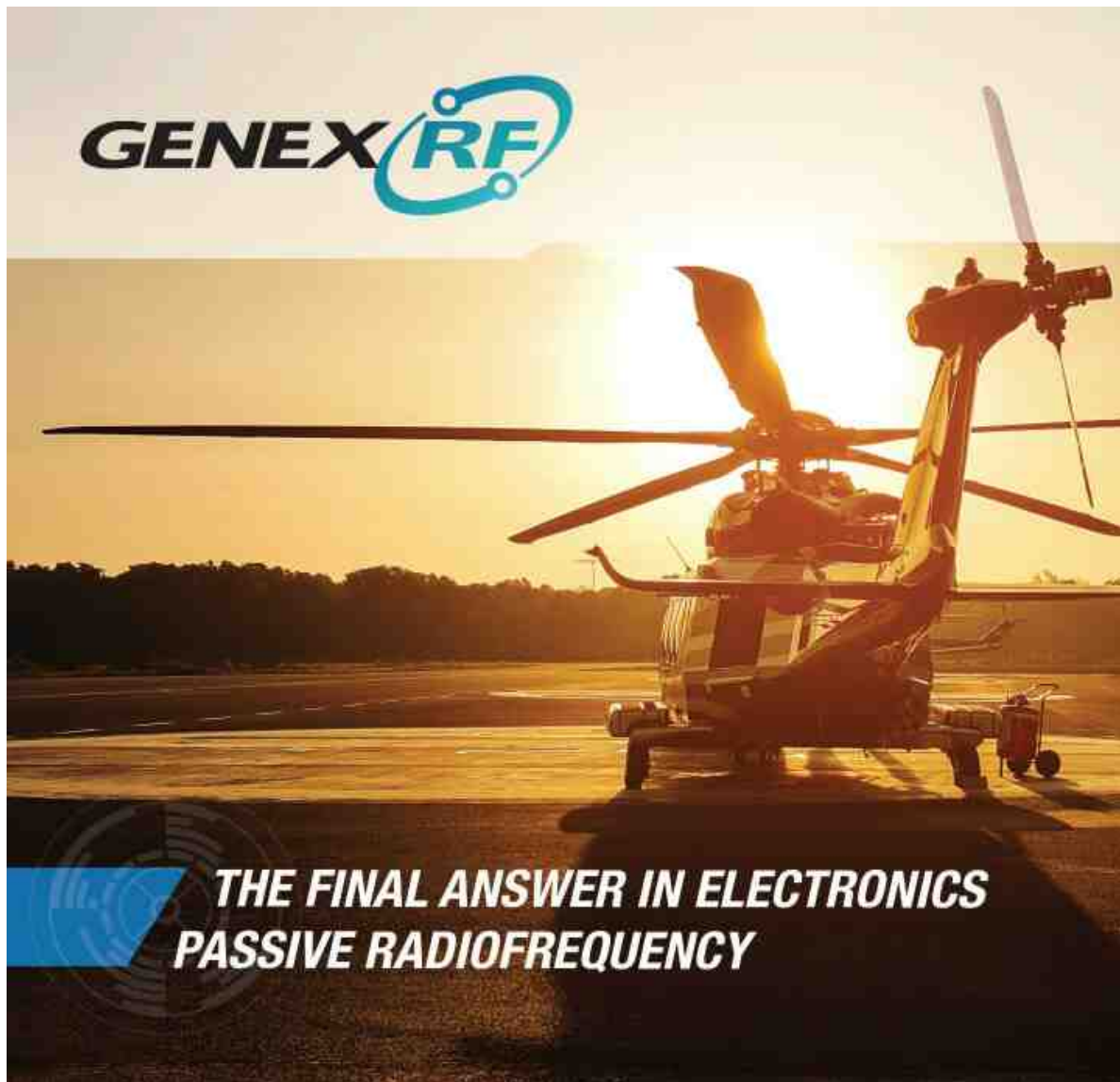
## FREQUENCY TABLE

01	0,05 - 1 GHz	26	4 - 400 MHz (AIDCB)
02	0,3 - 1,5 GHz	27	0,004 - 2 GHz
03	0,6 - 2,2 GHz	28	0,004 - 1 GHz
04	400 - 500 MHz	29	0,30 - 6 MHz
05	840 - 960 MHz	30	2,1 - 2,4 GHz
06	1,6 - 1,9 GHz	31	0,002 - 2 GHz
07	2,3 - 2,45 GHz	32	7 - 18 GHz
08	0,8 - 2000 MHz	33	300 - 500 MHz
09	80 - 110 MHz	34	1 - 9 GHz
10	1 - 1,7 GHz	35	1 - 18 GHz
11	0,03 - 2,5 GHz	36	2,4 - 2,5 GHz
12	450 - 860 MHz	37	0,47 - 4 GHz
13	10 - 100 MHz	38	1,9 - 2,3 GHz
14	10 -15 GHz	39	400 - 800 MHz
15	12 -18 GHz	40	50 - 200 MHz
16	0 -12,4 GHz	41	DC - 40 GHz
17	0 - 200 MHz	42	DC - 3 GHz
18	1,50 - 2,5 GHz	43	DC - 7 GHz
19	0,8 - 2,2 GHz	44	3,4 - 3,6 GHz
20	0 - 500 MHz	45	DC - 700 MHz
21	4 - 10 GHz	46	12,2 - 13,25 GHz
22	0,8 - 2,5 GHz	47	10,7 - 12,75 GHz
23	1 - 350 MHz	48	700 - 2700 MHz
24	0,8 - 1,0/1,7 - 2 GHz (FTD)	49	430 MHz
25	5 - 50 MHz	50	

## SERIES CONNETTORS

07	SMA REVERSE POLARITY	62	1.8/5.6
08	TNC REVERSE POLARITY	63	25/58
09	BNC REVERSE POLARITY	66	2.5/6
10	BNC	68	4.1/9.5
20	TNC	69	4.6/16
30	N	70	DIN 7/16
31	C	71	13/30 SIE
32	SC	72	13/30 M50
33	SMA	73	EIA 3" 1/8
34	TRIAX	74	FLANGE DIN 7/16
35	SMC	75	EIA 1"5/8
36	SMB	86	EIA 6"1/8"
37	BSM	87	SSMB
38	SSMA	90	K
39	PLUG "FISCHIOTTO" RAI	92	MCX
40	PL (UHF)	93	MMCX
41	MINI PL (MINI UHF)	94	PC2.4
42	1.0/2.3	95	PC3.5
44	F	96	PC7
45	FME	97	SMZ
48	EIA 4"1/8	KS22	SMP
49	EIA 4"1/2	KS31	OSSP/SBMA
50	HN	KS33	OSP/BMA
51	TWINAX	MR38	PMMA/BMZ
54	SMS	MR88	SMP
57	SIS	SSLB	SSLB
60	LC	THT	THT
61	1.6/5.6	UER70	FLANGE UER CNT. 7/16M

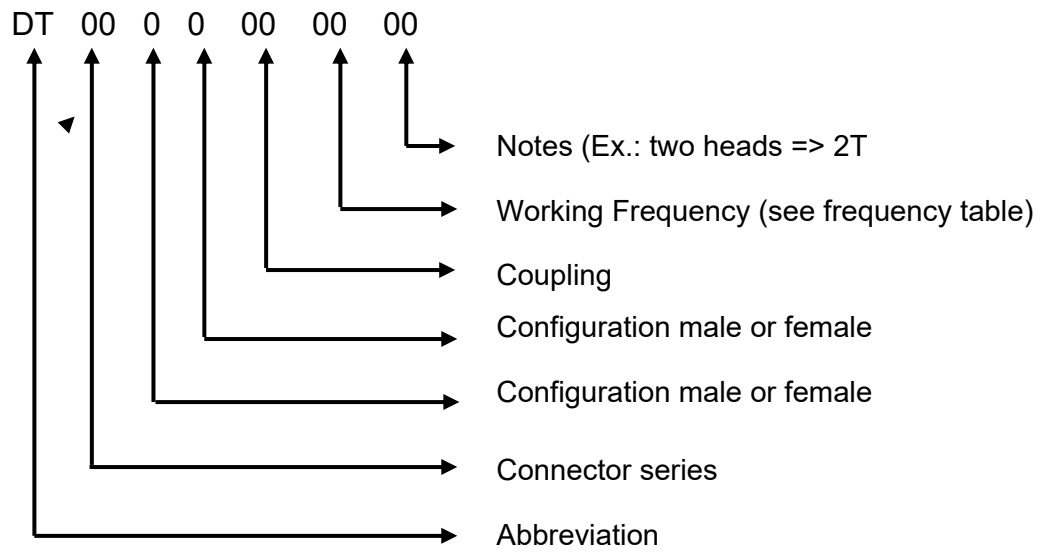
# COUPLERS



Components described following up represent our standard production. On request is possible produce Couplers with different data sheet.



# GENEX RF COUPLER PART NUMBER



Ex.: DT 30 11 20 05 = Directional Coupler NF - F - 20 dB 840/960 MHz with 1 Head

↓       ↓       ↗  
 N    F-F    Coupling

Notes: standard of connectors of derivative lines is NF, but on request is possible change it.

## CONNECTORS SERIES

10	BNC	68	4.1/9.5
20	TNC	70	DIN 7/16
30	N	73	EIA 3"1/8
31	C	75	EIA 1"5/8
32	SC	78	EIA 7/8"
33	SMA	86	EIA 6"1/8
48	EIA 4"1/8	90	K
50	HN	94	PC 2.4
60	LC	95	PC 3.5
61	1.6/5.6	96	PC 7

### MALE/FEMALE

1	FEMALE	2	MALE
---	--------	---	------

### CONFIGURATION

4	ANGLE 90°	
---	-----------	--

### COUPLING

06	-6 dB	25	-25 dB
10	-10 dB	35	-35 dB
13	-13 dB	40	-40 dB
15	-15 dB	45	-45 dB
20	-20 dB	50	-50 dB

### NOTES

M	OF MEASURE	3T	3 HEADS
2T	2 HEADS	CT	COMPACT

# STANDARD DIRECTIONAL COUPLERS

## COUPLER 1 HEAD (FOLLOW)

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
DT30110601	0,05-1 GHz	500 W	6 dB	N f - N f		4
DT30110604	400-500 MHz	1,0 Kw	6 dB	N f - N f		5
DT30110605	840-960 MHz	500 W	6 dB	N f - N f		3
DT30110608	800-2000 MHz	350 W	6 dB	N f - N f		1
DT30110612	450-860 MHz	500 W	6 dB	N f - N f		14
DT30110619	800-2200 MHz	200 W	6 dB	N f - N f		15
DT30110620	225-400 MHz	1,0 Kw	6 dB	N f - N f		16
DT30110622	800-2500 MHz	200 W	6 dB	N f - N f		17
DT30110637	470-4000 MHz	100 W	6 dB	N f - N f		18
DT30111001	0,05-1 GHz	500 W	10 dB	N f - N f		4
DT30111004	400-500 MHz	1,0 Kw	10 dB	N f - N f		5
DT30111005	840-960 MHz	500 W	10 dB	N f - N f		3
DT30111008	800-2000 MHz	350 W	10 dB	N f - N f		1
DT30111012	450-860 MHz	500 W	10 dB	N f - N f		14
DT30111019	800-2200 MHz	200 W	10 dB	N f - N f		15
DT30111020	225-400 MHz	1,0 Kw	10 dB	N f - N f		16
DT30111022	800-2500 MHz	200 W	10 dB	N f - N f		17
DT30111037	470-4000 MHz	100 W	10 dB	N f - N f		18
DT30112001	0,05-1 GHz	500 W	20 dB	N f - N f		4
DT30112004	400-500 MHz	1,0 Kw	20 dB	N f - N f		5
DT30112005	840-960 MHz	500 W	20 dB	N f - N f		3
DT30112008	800-2000 MHz	350 W	20 dB	N f - N f		1
DT30112012	450-860 MHz	500 W	20 dB	N f - N f		14
DT30112019	800-2200 MHz	200 W	20 dB	N f - N f		15
DT30112020	225-400 MHz	1,0 Kw	20 dB	N f - N f		16
DT30112022	800-2500 MHz	200 W	20 dB	N f - N f		17
DT30112037	470-4000 MHz	100 W	20 dB	N f - N f		18
DT30113001	0,05-1 GHz	500 W	30 dB	N f - N f		4
DT30113004	400-500 MHz	1,0 Kw	30 dB	N f - N f		5
DT30113005	840-960 MHz	500 W	30 dB	N f - N f		3

## COUPLER 1 HEAD (FOLLOW)


<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
DT30113008	800-2000 MHz	350 W	30 dB	N f - N f		1
DT30113012	450-860 MHz	500 W	30 dB	N f - N f		14
DT30113019	800-2200 MHz	200 W	30 dB	N f - N f		15
DT30113020	225-400 MHz	1,0 Kw	30 dB	N f - N f		16
DT30113022	800-2500 MHz	200 W	30 dB	N f - N f		17
DT30113037	470-4000 MHz	100 W	30 dB	N f - N f		18
DT30114001	0,05-1 GHz	500 W	40 dB	N f - N f		4
DT30114004	400-500 MHz	1,0 Kw	40 dB	N f - N f		5
DT30114005	840-960 MHz	500 W	40 dB	N f - N f		3
DT30114008	800-2000 MHz	350 W	40 dB	N f - N f		1
DT30114012	450-860 MHz	500 W	40 dB	N f - N f		14
DT30114019	800-2200 MHz	200 W	40 dB	N f - N f		15
DT30114020	225-400 MHz	1,0 Kw	40 dB	N f - N f		16
DT30114022	800-2500 MHz	200 W	40 dB	N f - N f		17
DT30114037	470-4000 MHz	100 W	40 dB	N f - N f		18
DT70110633	300-500 MHz	1,5 Kw	6 dB	DIN 7/16 f - N f		19
DT70111033	300-500 MHz	1,5 Kw	10 dB	DIN 7/16 f - N f		19
DT70112033	300-500 MHz	1,5 Kw	20 dB	DIN 7/16 f - N f		19
DT70113033	300-500 MHz	1,5 Kw	30 dB	DIN 7/16 f - N f		19
DT70114033	300-500 MHz	1,5 Kw	40 dB	DIN 7/16 f - N f		19
DT701140605	840-960 MHz	1,0 Kw	6 dB	DIN 7/16 f - N f	angle 90°	9
DT701140619	800-2200 MHz	200 W	6 dB	DIN 7/16 f - N f	angle 90°	20
DT701141005	840-960 MHz	1,0 Kw	10 dB	DIN 7/16 f - N f	angle 90°	9
DT701141019	800-2200 MHz	200 W	10 dB	DIN 7/16 f - N f	angle 90°	20
DT701142005	840-960 MHz	1,0 Kw	20 dB	DIN 7/16 f - N f	angle 90°	9
DT701142019	800-2200 MHz	200 W	20 dB	DIN 7/16 f - N f	angle 90°	20
DT701143005	840-960 MHz	1,0 Kw	30 dB	DIN 7/16 f - N f	angle 90°	9
DT701143019	800-2200 MHz	200 W	30 dB	DIN 7/16 f - N f	angle 90°	20
DT701144005	840-960 MHz	1,0 Kw	40 dB	DIN 7/16 f - N f	angle 90°	9
DT701144019	800-2200 MHz	200 W	40 dB	DIN 7/16 f - N f	angle 90°	20

## COUPLER 1 HEAD

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
DT101110137	10-100 MHz	10 W	10 dB	BNC	75Ω	21
DT7013010633	300-500 MHz	1,5 Kw	6 dB	DIN 7/16 f - N f		22
DT7013011033	300-500 MHz	1,5 Kw	10 dB	DIN 7/16 f - N f		22
DT7013012033	300-500 MHz	1,5 Kw	20 dB	DIN 7/16 f - N f		22
DT7013013033	300-500 MHz	1,5 Kw	30 dB	DIN 7/16 f - N f		22
DT7013014033	300-500 MHz	1,5 Kw	40 dB	DIN 7/16 f - N f		22
DT70210604	400-500 MHz	1,5 Kw	6 dB	DIN 7/16 f-DIN 7/16 m		23
DT70210605	840-960 MHz	1,0 Kw	6 dB	DIN 7/16 f-DIN 7/16 m		6
DT70211004	400-500 MHz	1,5 Kw	10 dB	DIN 7/16 f-DIN 7/16 m		23
DT70211005	840-960 MHz	1,0 Kw	10 dB	DIN 7/16 f-DIN 7/16 m		6
DT70212004	400-500 MHz	1,5 Kw	20 dB	DIN 7/16 f-DIN 7/16 m		23
DT70212005	840-960 MHz	1,0 Kw	20 dB	DIN 7/16 f-DIN 7/16 m		6
DT70213004	400-500 MHz	1,5 Kw	30 dB	DIN 7/16 f-DIN 7/16 m		23
DT70213005	840-960 MHz	1,0 Kw	30 dB	DIN 7/16 f-DIN 7/16 m		6
DT70214004	400-500 MHz	1,5 Kw	40 dB	DIN 7/16 f-DIN 7/16 m		23
DT70214005	840-960 MHz	1,0 Kw	40 dB	DIN 7/16 f-DIN 7/16 m		6
DT78001010	1 - 1,7 GHz	1,5 Kw	10 dB	EIA 7/8"		7
DT78002010	1 - 1,7 GHz	1,5 Kw	20 dB	EIA 7/8"		7
DT78003010	1 - 1,7 GHz	1,5 Kw	30 dB	EIA 7/8"		7
DT78004010	1 - 1,7 GHz	1,5 Kw	40 dB	EIA 7/8"		7

## COUPLER 2 HEADS



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
DT301106052T	840-960 MHz	500 W	6 dB	N f - N f		8
DT301106192T	800-2200 MHz	200 w	6 dB	N f - N f		24
DT301110052T	840-960 MHz	500 W	10 dB	N f - N f		8
DT301110192T	800-2200 MHz	200 w	10 dB	N f - N f		24
DT301120052T	840-960 MHz	500 W	20 dB	N f - N f		8
DT301120192T	800-2200 MHz	200 w	20 dB	N f - N f		24
DT301130052T	840-960 MHz	500 W	30 dB	N f - N f		8
DT301130192T	800-2200 MHz	200 w	30 dB	N f - N f		24
DT301140052T	840-960 MHz	500 W	40 dB	N f - N f		8
DT301140192T	800-2200 MHz	200 w	40 dB	N f - N f		24
DT750010092T	80-110 MHz	10 Kw	10 dB	EIA 1"5/8	Measure with BNC F - 50dB	36
DT750020092T	80-110 MHz	10 Kw	20 dB	EIA 1"5/8		
DT750030092T	80-110 MHz	10 Kw	30 dB	EIA 1"5/8		
DT750040092T	80-110 MHz	10 Kw	40 dB	EIA 1"5/8		
DT780010092T	80-110 MHz	4 Kw	10 dB	EIA 7/8"		10
DT780020092T	80-110 MHz	4 Kw	20 dB	EIA 7/8"		10
DT780030092T	80-110 MHz	4 Kw	30 dB	EIA 7/8"		10
DT780040092T	80-110 MHz	4 Kw	40 dB	EIA 7/8"		10
DT750060012T 	47- 860 MHz	10 Kw	65 dB	1° out N f	47-88 MHz I VHF	13
			40 dB	2° out N f		
			60 dB	Monitor BNC		
			60 dB	1° out N f	86-110 MHz FM	
			40 dB	2° out N f		
			60 dB	Monitor BNC		
			55 dB	1° out N f	181-223 MHz III VHF	
			30 dB	2° out N f		
			50 dB	Monitor BNC		
			50 dB	1° out N f	470-613 MHz IV UHF	
			25 dB	2° out N f		
			45 dB	Monitor BNC		
50 dB	1° out N f	613-860 MHz V UHF				
25 dB	2° out N f					
45 dB	Monitor BNC					

# DIRECTIONAL COUPLERS OF MEASURE

## COUPLER 1 HEAD



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
DT30112021M	4-10 GHz	100 W	20 dB	N f - N f		2

## COUPLER 2 HEADS




<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
DT30112002M	0,3-1,5 GHz	300 W	20 dB	N f - N f		11
DT30112003M	0,6-2,2 GHz	300 W	20 dB	N f - N f		12

## HYBRID COUPLERS


### HYBRID COUPLER N



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
IBR301000	0,5-1,0 GHz	400 W	3 dB	N f		27
IBR301000P	0,5-1,0 GHz	1000 W	3 dB	N f	of power	30
IBR30150 	150-300 MHz	400 W	3 dB	N f		25
IBR302000	1,5-2,5 GHz	200 W	3 dB	N f		28
IBR303000	2,0-3,0 GHz	150 W	3 dB	N f		29
IBR30450	380-520 MHz	400 W	3 dB	N f		26


### HYBRID COUPLER SMA



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
IBR331000	0,5-1,0 GHz	100 W	3 dB	SMA f		31
IBR331500 	0,8-2,0 GHz	150 W	3 dB	SMA f		32

### HYBRID COUPLER 7/16



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Coupling</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
IBR701000 	0,5-1,0 GHz	400 W	3 dB	DIN 7/16 f		33
IBR702000	1,5-2,5 GHz	200 W	3 dB	DIN 7/16 f		34



# COUPLERS DRAWINGS

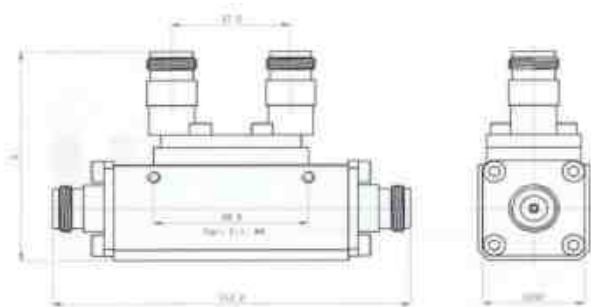
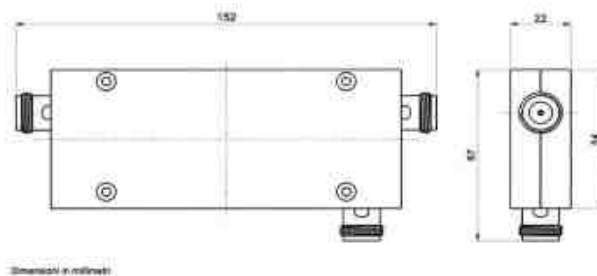


Fig.1

P/N DT30110608



P/N DT30112021M

Fig.2

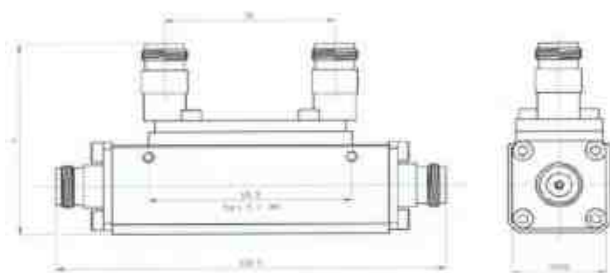
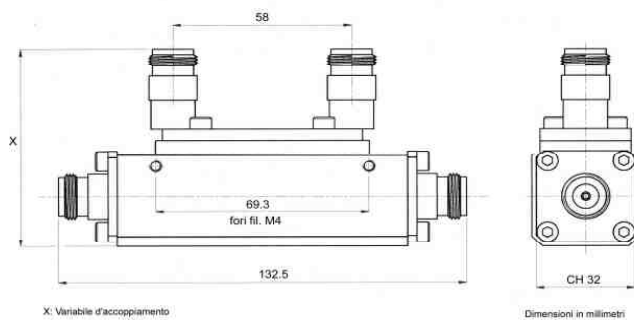


Fig.3

P/N DT30112005



P/N DT30110601

Fig.4

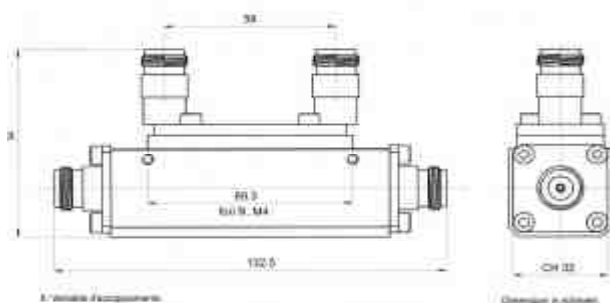
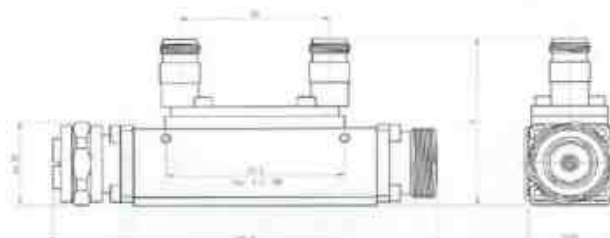


Fig.5

P/N DT30110604



P/N DT70212005

Fig.6

# COUPLERS DRAWINGS

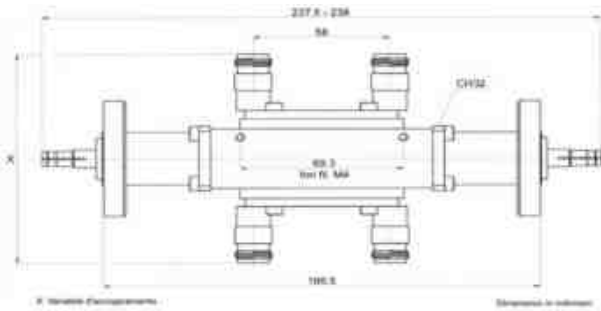
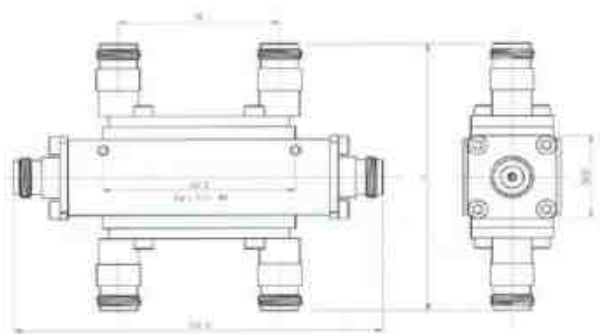


Fig.7

P/N DT78002010



P/N DT301120052T

Fig.8

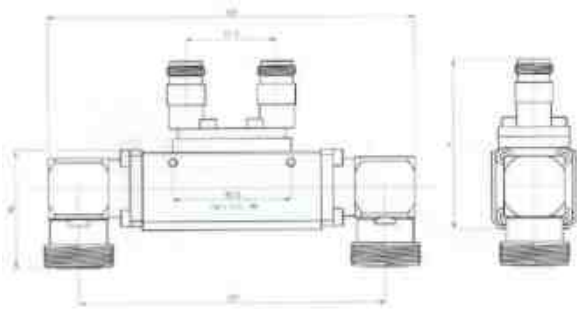
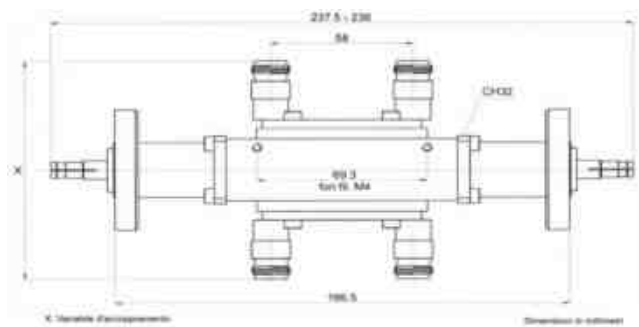


Fig.9

P/N DT701142005



P/N DT780020092T

Fig.10

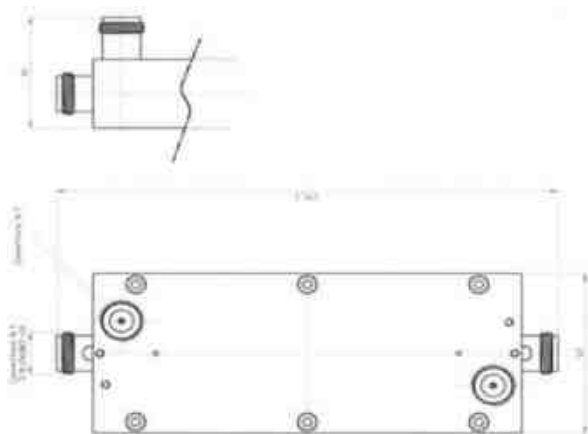
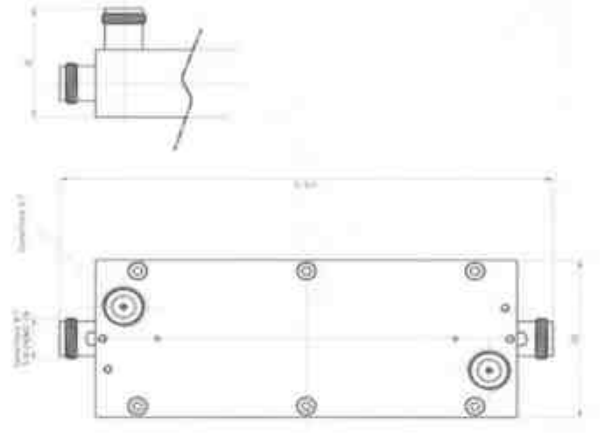


Fig.11

P/N DT30112002M



P/N DT30112003M

Fig.12

# COUPLERS DRAWINGS

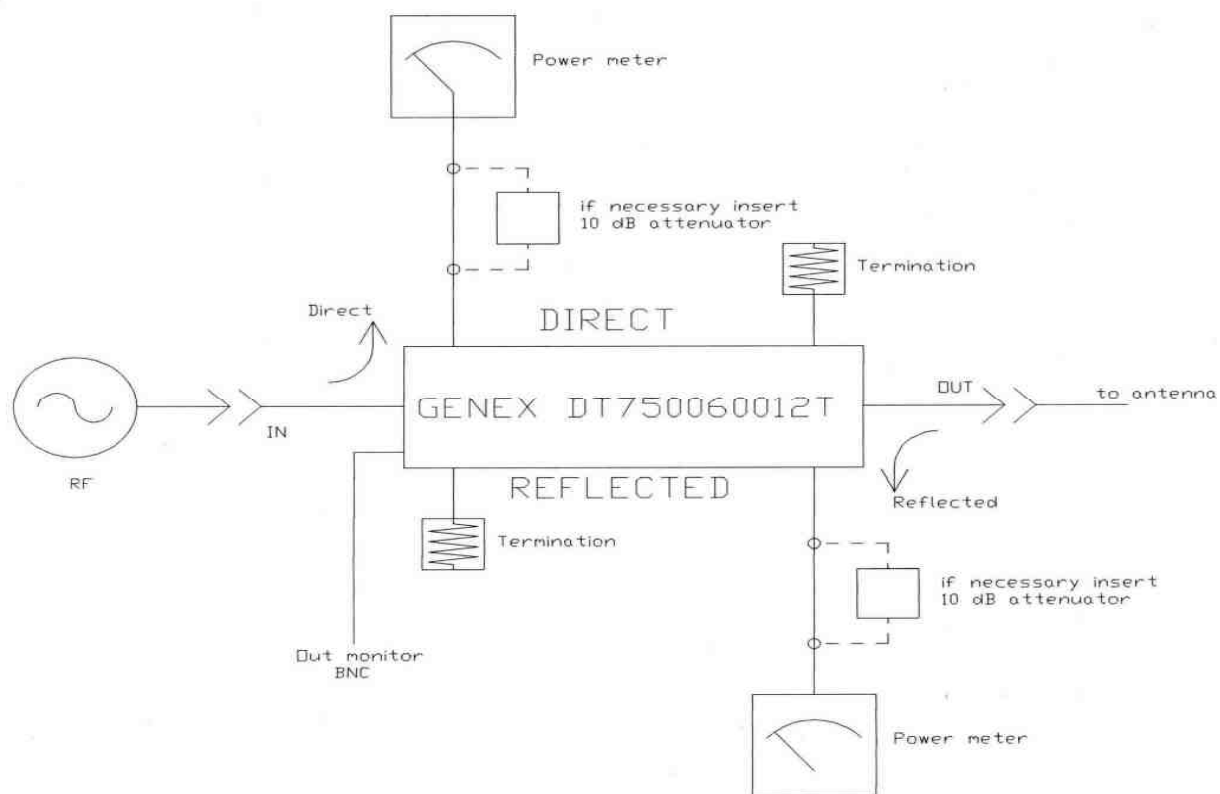
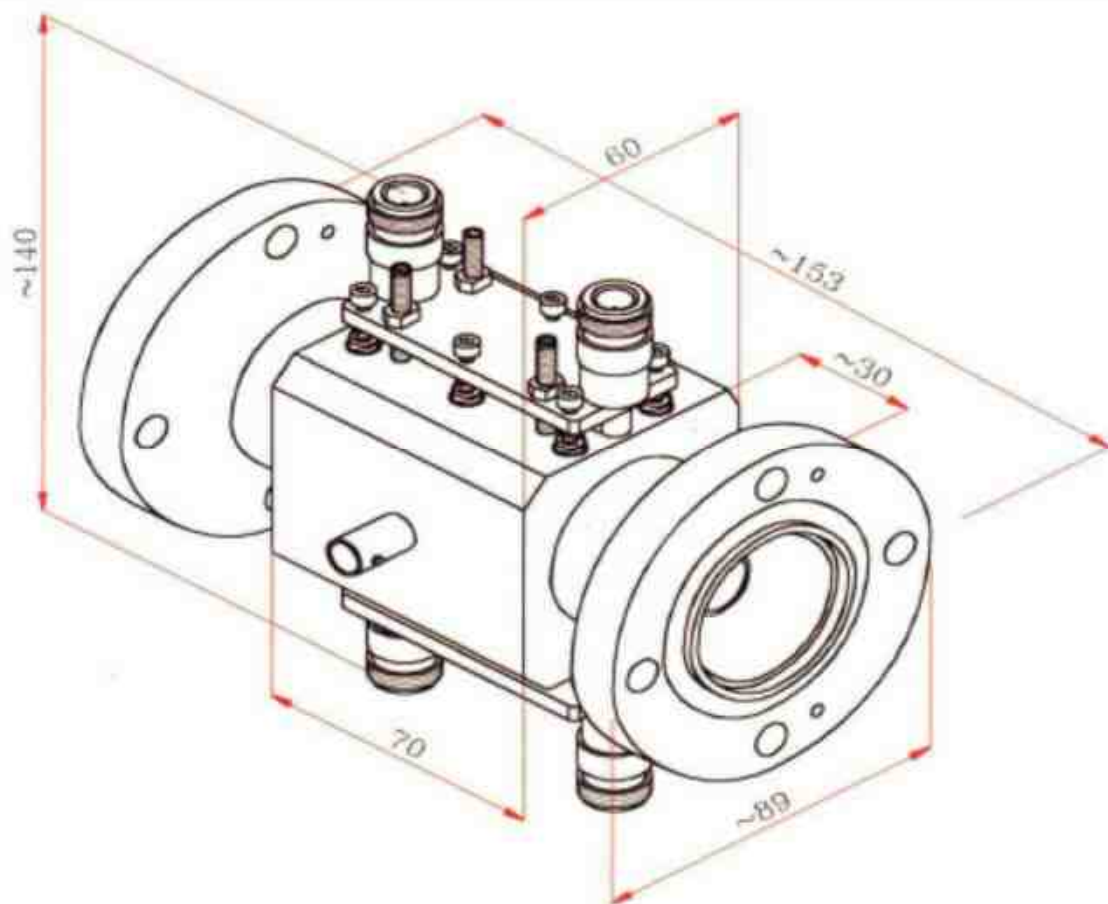
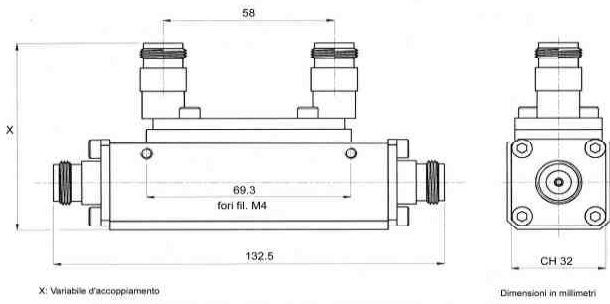


Fig.13

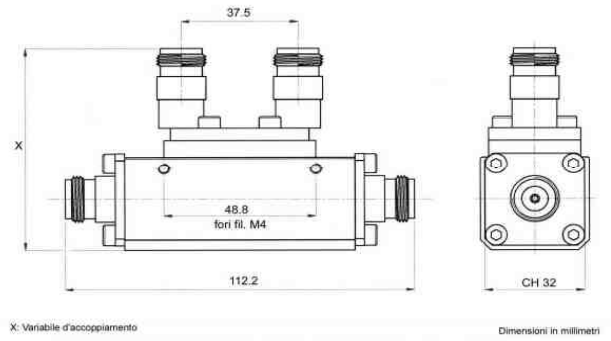
P/N DT750060012T

# COUPLERS DRAWINGS



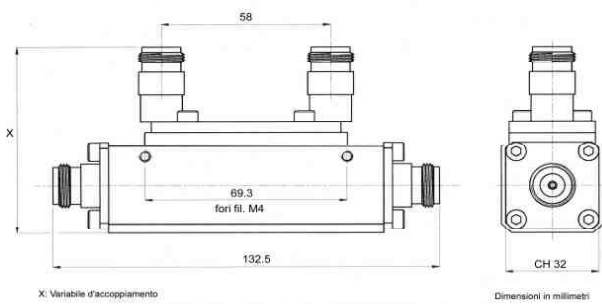
**Fig.14**

**P/N DT30110612**



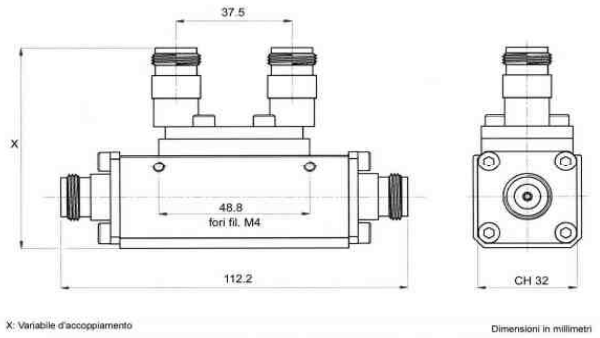
**P/N DT30110619**

**Fig.15**



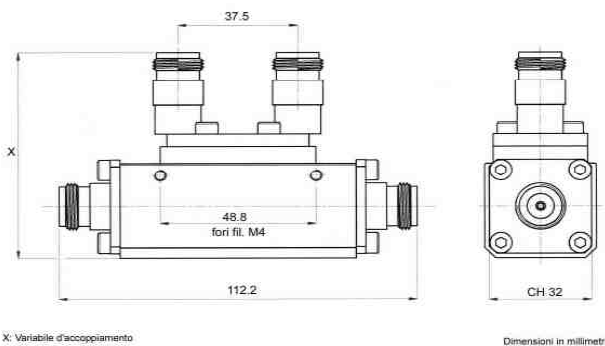
**Fig.16**

**P/N DT30110620**



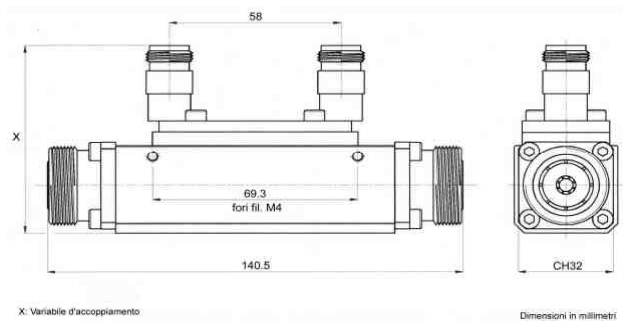
**P/N DT30110622**

**Fig.1**



**Fig.18**

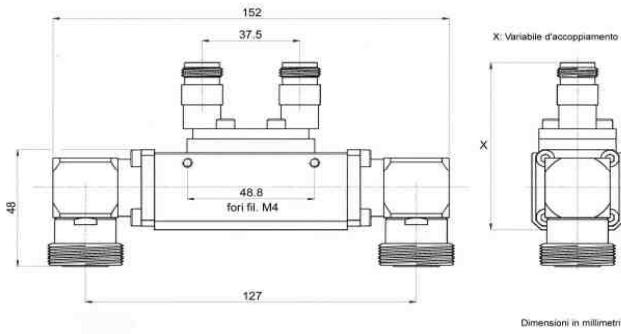
**P/N DT30110637**



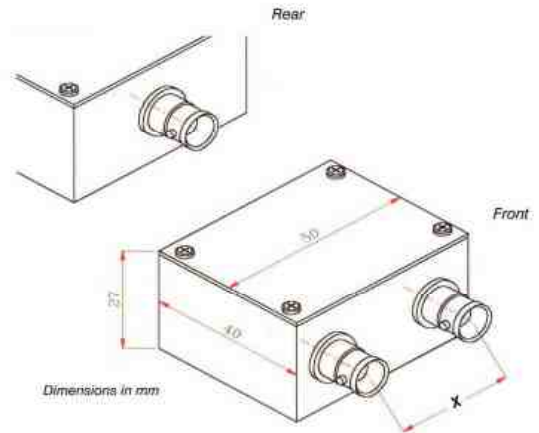
**P/N DT70110633**

**Fig.19**

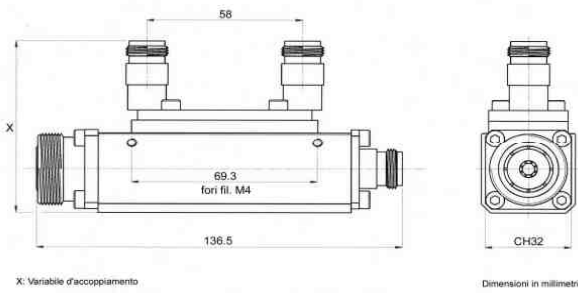
# COUPLERS DRAWINGS



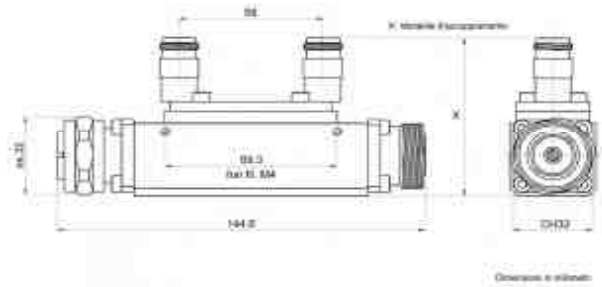
**Fig.20** P/N DT701140619



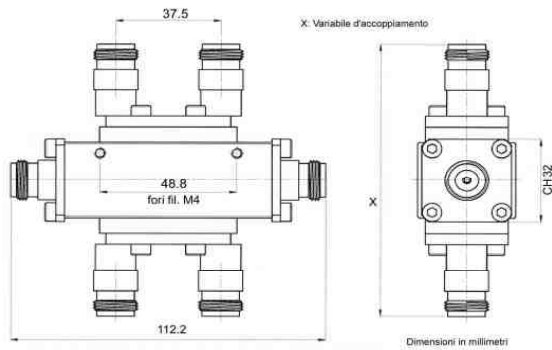
P/N DT101110137 **Fig.21**



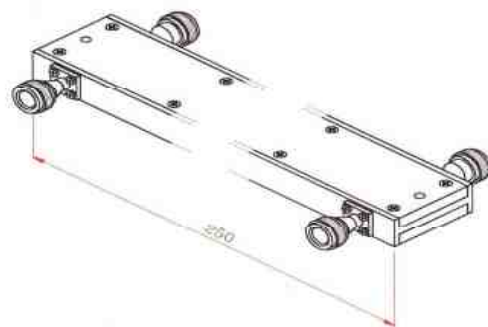
**Fig.22** P/N DT7013010633



P/N DT70210604 **Fig.23**

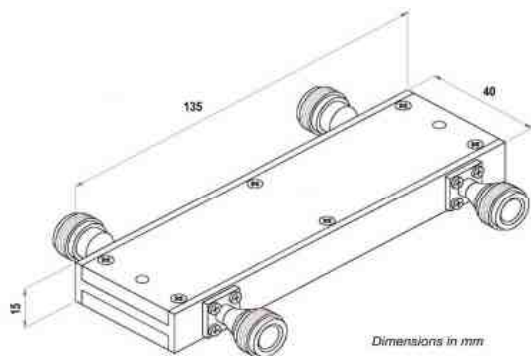


**Fig.24** P/N DT301106192T



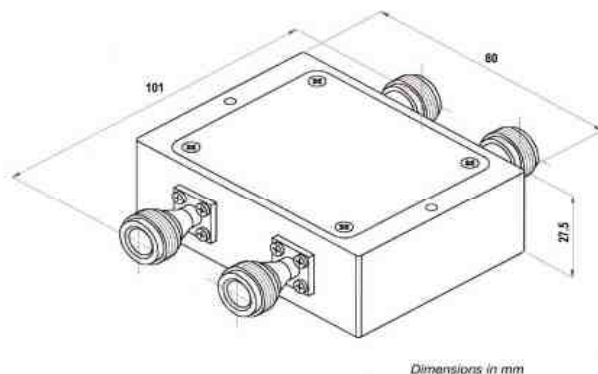
P/N IBR30150 **Fig.2**

# COUPLERS DRAWINGS



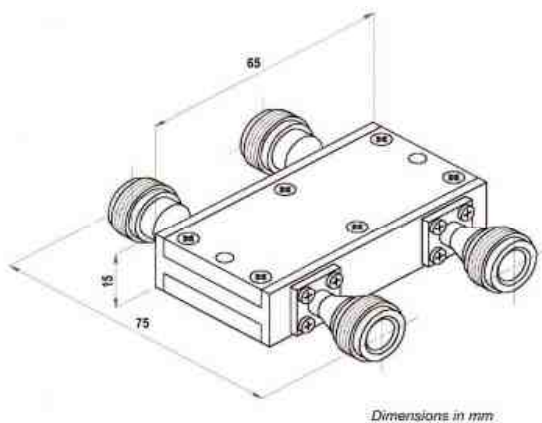
**Fig.26**

**P/N IBR30450**



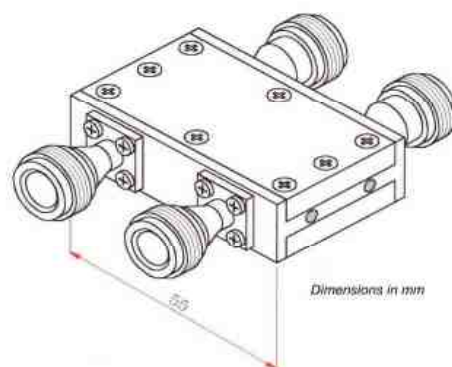
**P/N IBR301000**

**Fig.27**



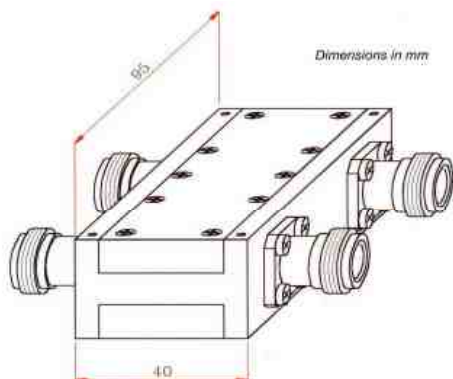
**Fig.28**

**P/N IBR302000**



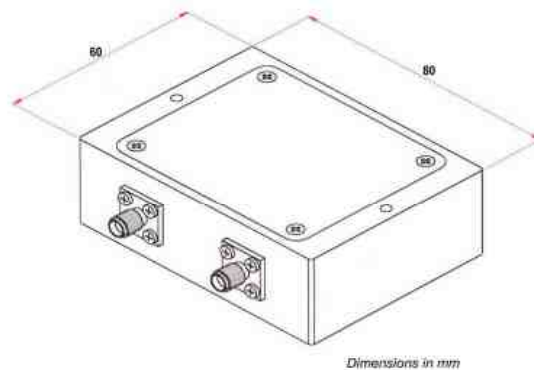
**P/N IBR303000**

**Fig.29**



**Fig.30**

**P/N IBR301000P**



**P/N IBR331000**

**Fig.3**

# COUPLERS DRAWINGS

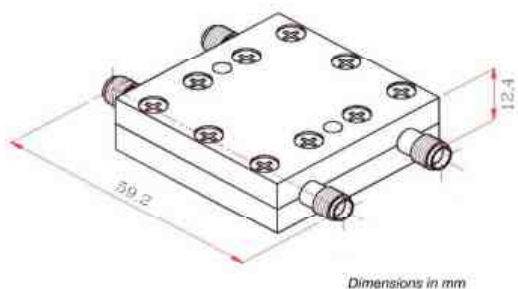


Fig.32

P/N IBR331500

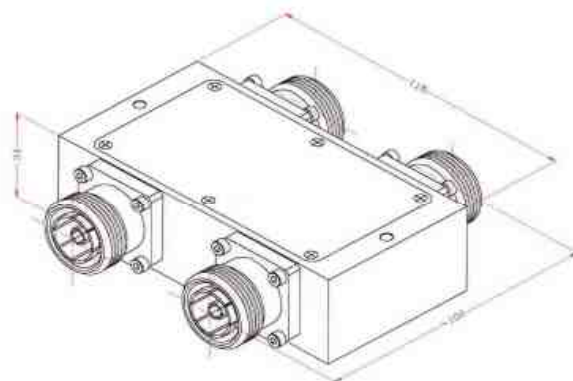


Fig.33

P/N IBR701000

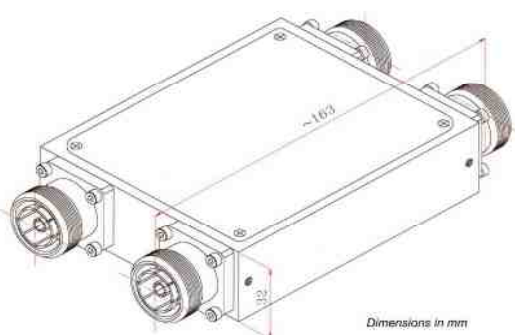


Fig.34

P/N IBR702000

P/N

Fig.35

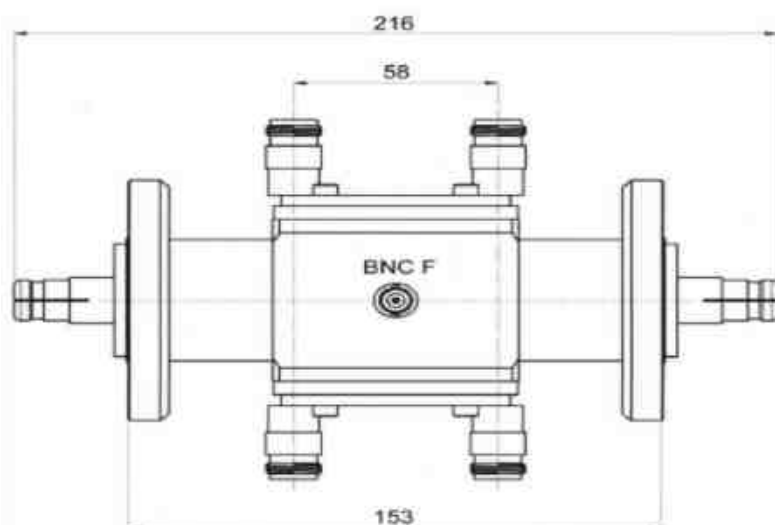
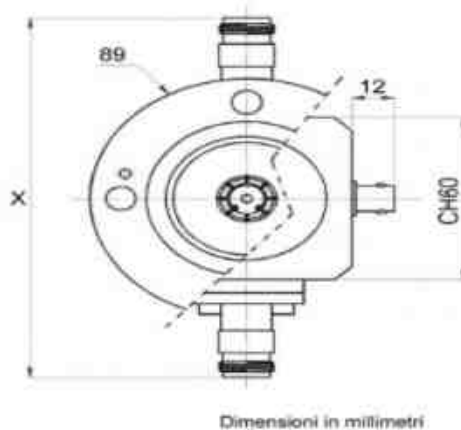


Fig.36

X: Variabile d'accoppiamento



P/N DT750010092T



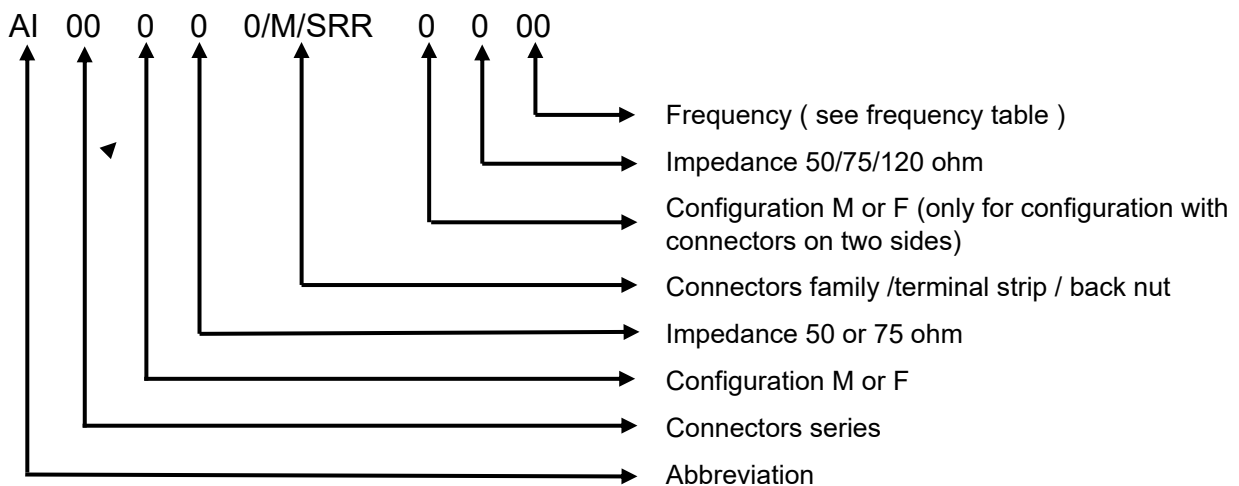
# IMPEDANCE ADAPTERS



Components described following up represent our standard production. On request is possible produce Impedance Adapters with different data sheet.



# GENEX RF IMPEDANCE ADAPTER PART NUMBER



Ex.: AI 30151017 = Impedance Adapter NF (50 Ω) - BNCF (75Ω)

## ABBREVIATION

AI

Inductive Impedance Adapter

AIR Resistive Impedance Adapter

## Connectors Series

10	BNC	50	HN
20	TNC	61	1.6/5.6
30	N	62	1.8/5.6
31	C	66	2.5/6
32	SC	68	4.1/9.5
33	SMA	69	4.6/1.6
40	UHF	70	DIN 7/16
42	1.0/2.3	75	EIA 1"5/8

## CONFIGURATION

M

TERMINAL STRIP

SRR

BACK NUT

## MALE/FEMALE

1

FEMALE

2

MALE

## IMPEDANCE

5

50 Ω

7


75 Ω

120

120 Ω

## IMPEDANCE ADAPTERS 50/75 Ω



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Connectors in-out</i>	<i>Insertion Loss</i>	<i>VSWR</i>	<i>Fig.</i>
AI30151017 	DC/1 GHz	20dBm(100mW)	N f - BNC f	1 dB max	1.37	1
AI30253017	DC/1 GHz	20dBm(100mW)	N m - N f	1 dB max	1.30	2
AI7505750709	80-110 MHz		EIA 1"5/8 - EIA 1"5/8	0,5 dB max	1.08	4
AIR30253017	DC/3 GHz	20dBm(100mW)	N m - N f	5 dB max	1.10	3

## IMPEDANCE ADAPTERS 75/120 Ω



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Connectors in-out</i>	<i>Insertion Loss</i>	<i>VSWR</i>	<i>Fig.</i>
AI302764DSM120	5KHz - 5 MHz	20dBm(100mW)	N m - terminal st.	0,4 dB	1.11	7
AI42117581120	5KHz - 5 MHz	20dBm(100mW)	2 x 1.0/2.3 f	0,4 dB	1.11	
AI4217SRR120	5KHz - 5 MHz	20dBm(100mW)	1.0/2.3 f	0,4 dB	1.11	
AI4217SRR120G)	5KHz - 5 MHz	20dBm(100mW)	1.0/2.3 (N3)	0,4 dB	1.11	6
AI4227SRR120	5KHz - 5 MHz	20dBm(100mW)	1.0/2.3 (N3)	0,4 dB	1.11	5
AI6127M120	30KHz - 100MHz	20dBm(100mW)	1.6/5.6 m	0,4 dB	1.10	
AI6127SRR120	5KHz - 5 MHz	20dBm(100mW)	1.6/5.6 (N2)	0,4 dB	1.10	

# IMPEDANCE ADAPTERS DRAWINGS

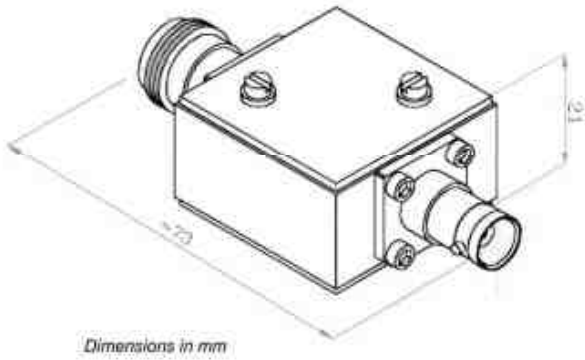
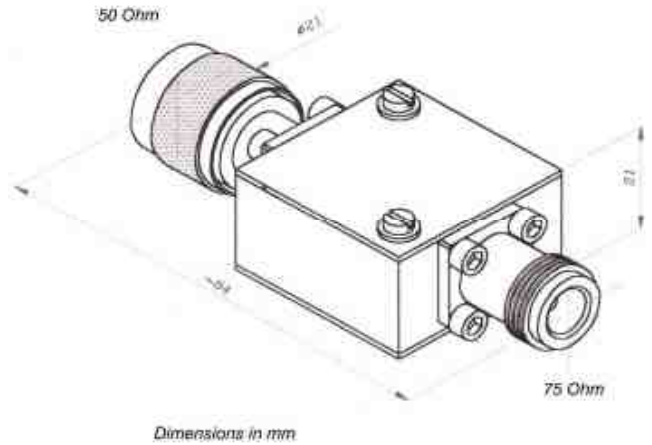


Fig.1

P/N AI30151017



P/N AI30253017

Fig.

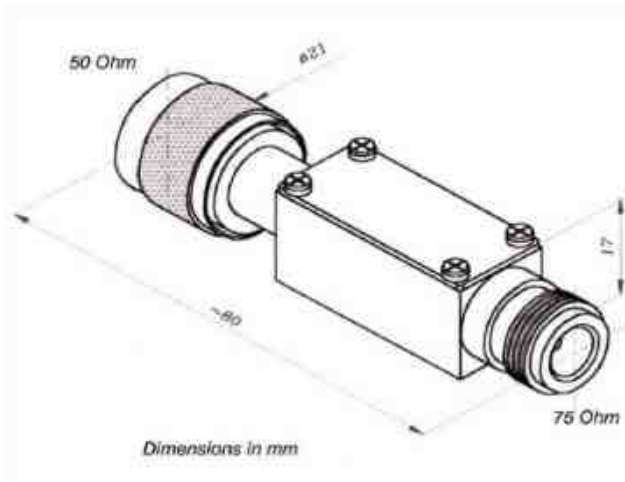
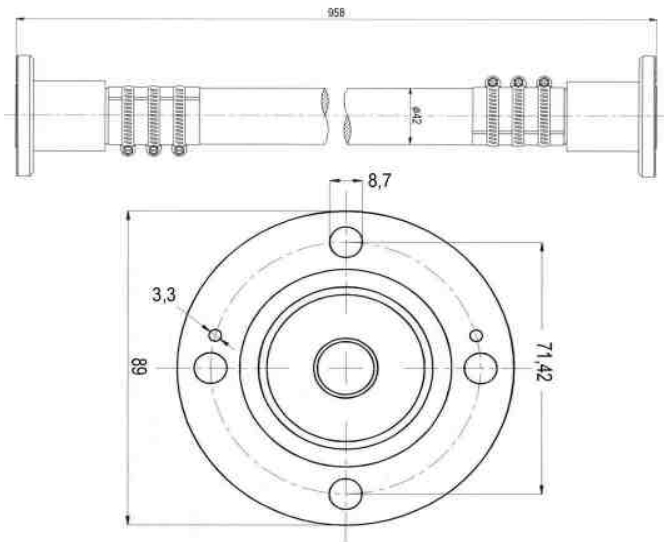


Fig.3

P/N AIR30253017



P/N AI7505750709

Fig

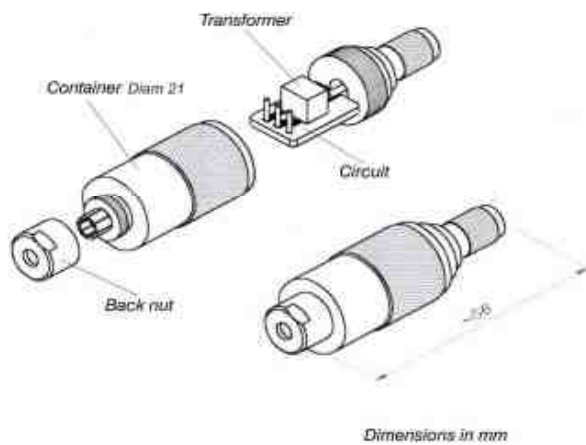
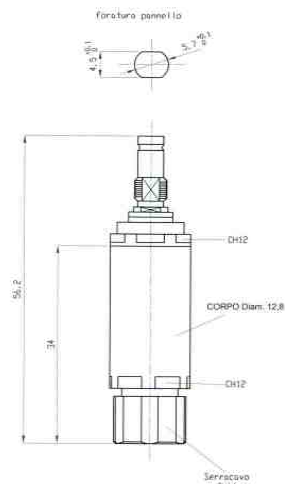


Fig.5

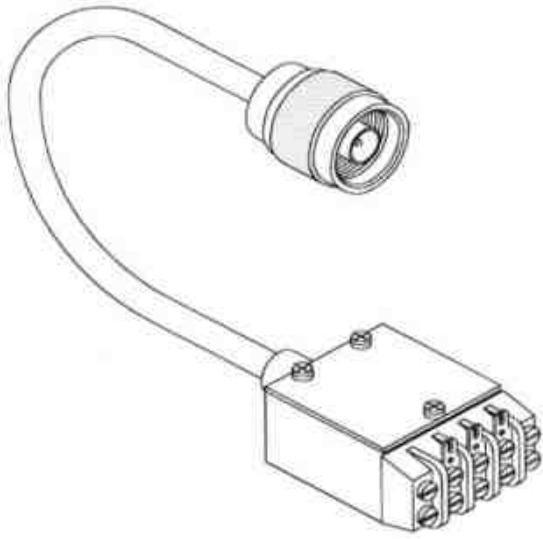
P/N AI4227SRR120



P/N AI4217SRR120GX

Fig.

# IMPEDANCE ADAPTERS DRAWINGS



**Fig.7**

**P/N AI302764DSM120**

**P/N**

**Fig.**

**Fig.9**

**P/N**

**P/N**

**Fig.1**

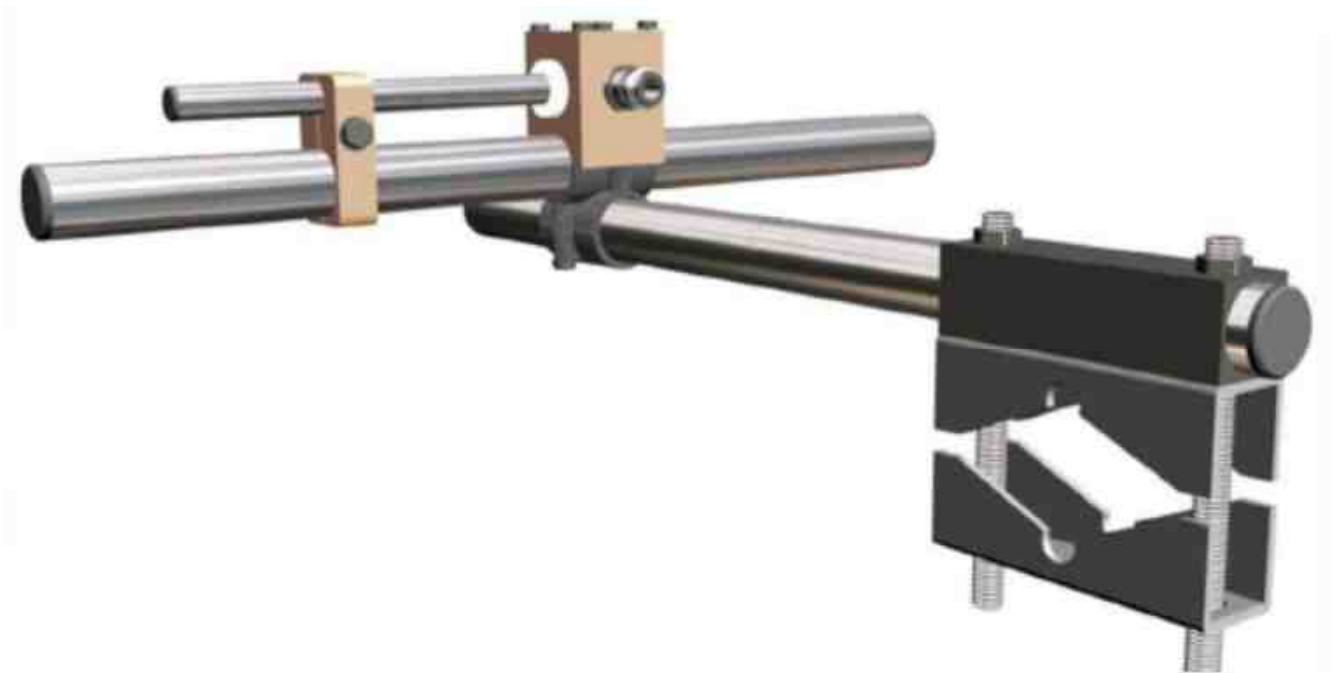
**Fig.11**

**P/N**

**P/N**

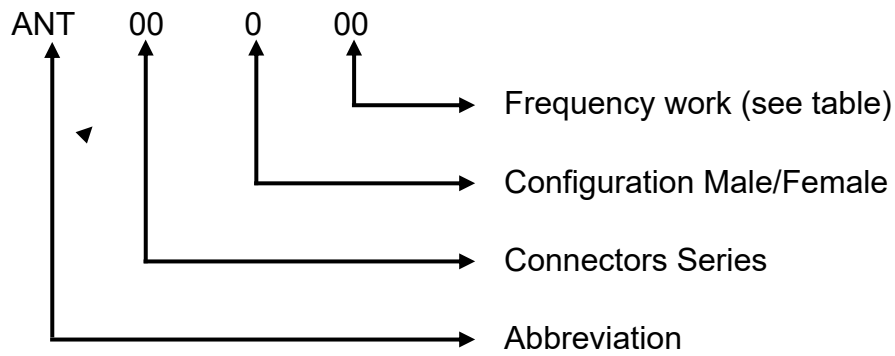
**Fig.1**

# ANTENNAS



Components described following up represent our standard production. On request is possible produce Antennas with different data sheet.

# GENEX RF ANTENNAS PART NUMBER



Ex.: ANT30109 = Dipole Antenna N f Freq. 87÷108 MHz

## CONNECTORS SERIES

10	BNC	50	HN
20	TNC	61	1.6/5.6
30	N	62	1.8/5.6
31	C	66	2.5/6
32	SC	68	4.1/9.5
33	SMA	69	4.6/1.6
40	UHF	70	DIN 7/16
42	1.0/2.3	75	EIA 1"5/8

## MALE/FEMALE

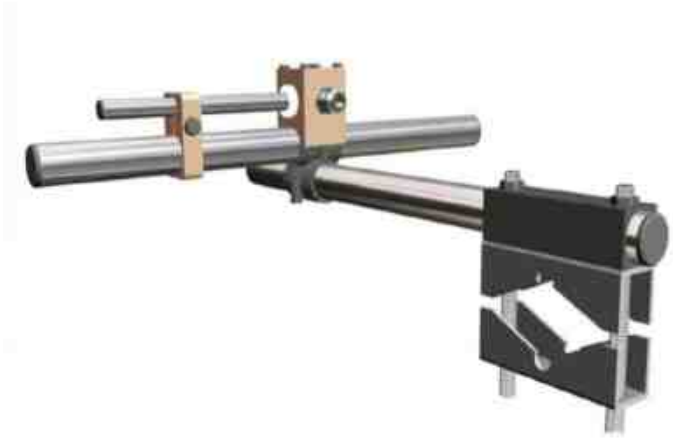
1	FEMALE	2	MALE
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# ANTENNAS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
ANT30109	Dipole Antenna N f	Freq. 87-108 MHz	1
ANT70109	Dipole Antenna DIN 7/16 f	Freq. 87-108 MHz	



# ANTENNAS DRAWINGS



**Fig.1**

**P/N ANT30109**

**P/N**

**Fig.2**

**Fig.3**

**P/N**

**P/N**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

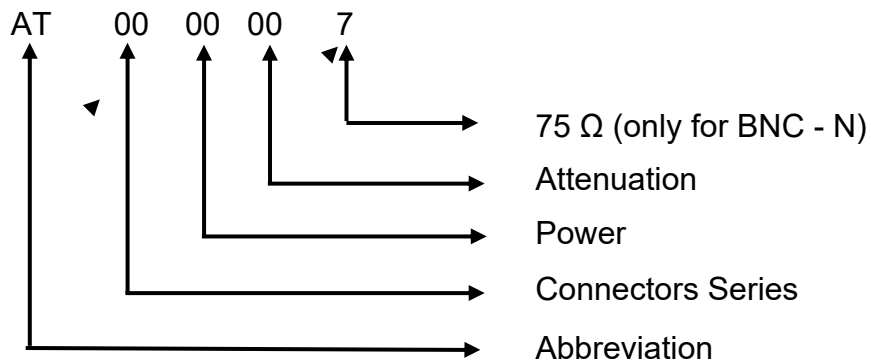
# COAXIAL ATTENUATORS



Components described following up represent our standard production. On request is possible produce Coaxial Attenuators with different data sheet.



# GENEX RF COAXIAL ATTENUATORS PART NUMBER



Ex.: AT 300206 = Attenuation N 2 WATTS 6 dB

## CONNECTORS SERIES

10	BNC	61	1.6/5.6
20	TNC	70	DIN 7/16
30	N		
33	SMA		

## POWER

02	2 WATTS	200	200 WATTS
20	20 WATTS	500	500 WATTS
50	50 WATTS	1000	1000 WATTS
100	100 WATTS		

## ATTENUATION

03	3 dB	20	20 dB
06	6 dB	30	30 dB
10	10 dB		





## ATTENUATORS 50 Ω

### CONNECTOR BNC (male - female)

<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT100203	3 dB	DC/1 GHz	2W		
AT100206	6 dB	DC/1 GHz	2W		
AT100210	10 dB	DC/1 GHz	2W		
AT100220	20 dB	DC/1 GHz	2W		

### CONNECTOR TNC (male - female)

<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT200203	3 dB	DC/4 GHz	2W		
AT200206	6 dB	DC/4 GHz	2W		
AT200210	10 dB	DC/4 GHz	2W		
AT200220	20 dB	DC/4 GHz	2W		




### CONNECTOR SMA (male - female)

<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT330200	0 dB	DC/18 GHz	2W		
AT330203	3 dB	DC/18 GHz	2W		
AT330206	6 dB	DC/18 GHz	2W		
AT330210	10 dB	DC/18 GHz	2W		
AT330220	20 dB	DC/18 GHz	2W		
MM13078	6 dB	DC/18 GHz	5W	Custom	11




## CONNECTOR N (male - female)



<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT300203	3 dB	DC/4 GHz	2 W		1
AT300206	6 dB	DC/4 GHz	2 W		1
AT300210	10 dB	DC/4 GHz	2 W		1
AT300220	20 dB	DC/4 GHz	2 W		1
AT300503	3 dB	DC/4 GHz	5 W		2
AT300506	6 dB	DC/4 GHz	5 W		2
AT300510	10 dB	DC/4 GHz	5 W		2
AT300520	20 dB	DC/4 GHz	5 W		2
AT300530	30 dB	DC/4 GHz	5 W		2
AT3010003 	3 dB	DC/3 GHz	100 W		4
AT3010006	6 dB	DC/3 GHz	100 W		4
AT301003	3 dB	DC/4 GHz	10 W		3
AT301006	6 dB	DC/4 GHz	10 W		3
AT301010	10 dB	DC/4 GHz	10 W		3
AT301020	20 dB	DC/4 GHz	10 W		3
AT301030	30 dB	DC/4 GHz	10 W		3
AT3015010	10 dB	DC/2,5 GHz	150 W		
AT3015020	20 dB	DC/2,0 GHz	150 W		8
AT302003	3 dB	DC/3 GHz	20 W		5
AT302006	6 dB	DC/3 GHz	20 W		5
AT302010	10 dB	DC/3 GHz	20 W		5
AT302020	20 dB	DC/3 GHz	20 W		5
AT302030	30 dB	DC/3 GHz	20 W		5
AT305003	3 dB	DC/3 GHz	50 W		7
AT305006	6 dB	DC/4 GHz	50 W		7
AT305010	10 dB	DC/3 GHz	50 W		7
AT305020	20 dB	DC/3 GHz	50 W		7
AT305030	30 dB	DC/3 GHz	50 W		7

## CONNECTOR DIN 7/16 (male - female)



<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT700503	3 dB	DC/4 GHz	5 W		6
AT700506	6 dB	DC/4 GHz	5 W		6
AT700510	10 dB	DC/4 GHz	5 W		6
AT700520 	20 dB	DC/4 GHz	5 W		6
AT700530	30 dB	DC/4 GHz	5 W		6

## ATTENUATORS 75Ω

### CONNECTOR BNC (male - female)



<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT1002037	3 dB	DC/500 MHz	2 W		
AT1002067	6 dB	DC/500 MHz	2 W		
AT1002107	10 dB	DC/500 MHz	2 W		
AT1002207	20 dB	DC/500 MHz	2 W		



## CONNECTOR N (male - female)



<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT3002037	3 dB	DC/1 GHz	2 W		
AT3002067	6 dB	DC/1 GHz	2 W		
AT3002107	10 dB	DC/1 GHz	2 W		
AT3002207	20 dB	DC/1 GHz	2 W		

## CONNECTOR 1.6/5.6 (male - female)



<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
AT610203	3 dB	DC/200 MHz	2 W		
AT610206	6 dB	DC/200 MHz	2 W		
AT610210	10 dB	DC/200 MHz	2 W		
AT610220	20 dB	DC/200 MHz	2 W		

## AUDIO ATTENUATORS 600 $\Omega$

<i>P.N. GENEX RF</i>	<i>Attenuation</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>NOTES</i>	<i>Fig.</i>
ATA0202	2 dB	20/20 KHz	2 W		9
ATA0203	3 dB	20/20 KHz	2 W		10

# COAXIAL ATTENUATORS DRAWINGS

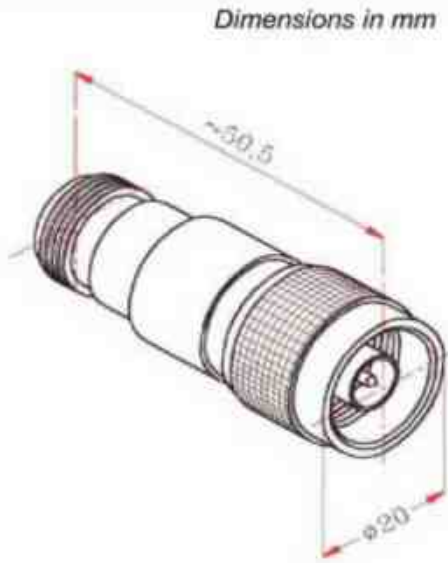
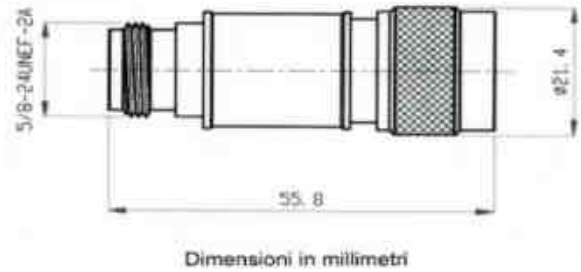


Fig.1

P/N AT300203



P/N AT300503

Fig.2

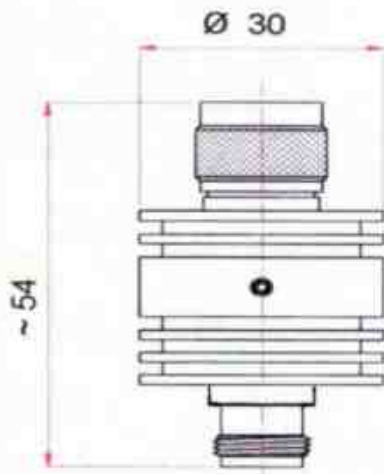
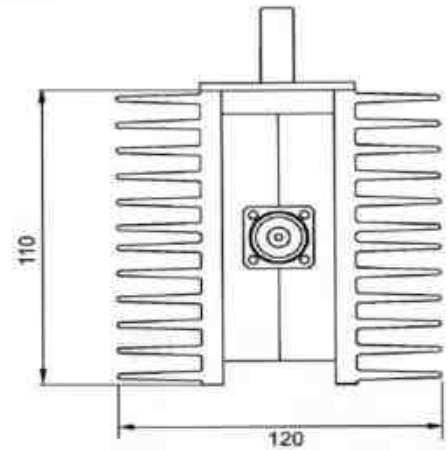


Fig.3

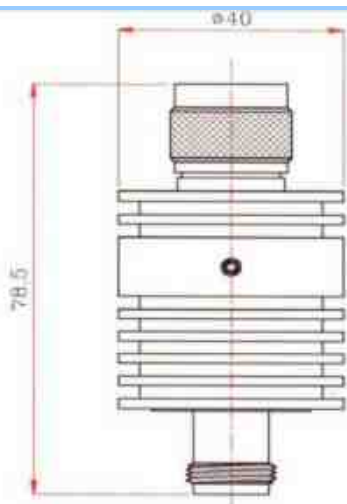
P/N AT301003



Lunghezza tot compresi connetton 225 mm  
Lunghezza dissipatore 196 mm

P/N AT3010003

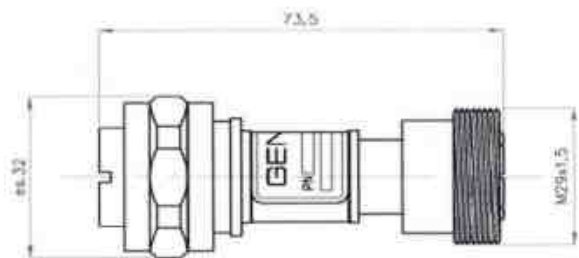
Fig.4



Dimensions in mm

Fig.5

P/N AT302003



P/N AT700530

Fig.6

# COAXIAL ATTENUATORS DRAWINGS

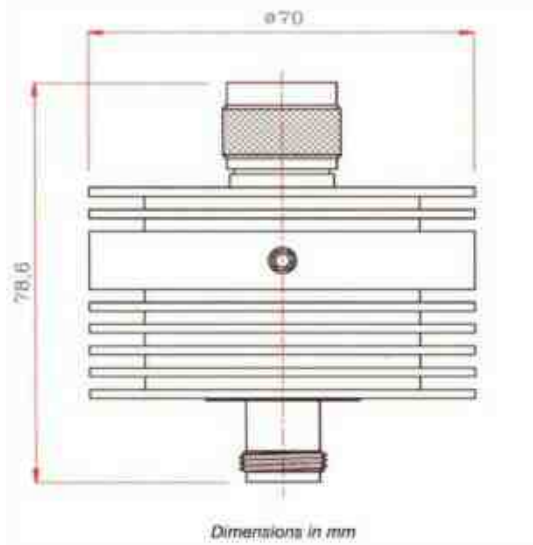
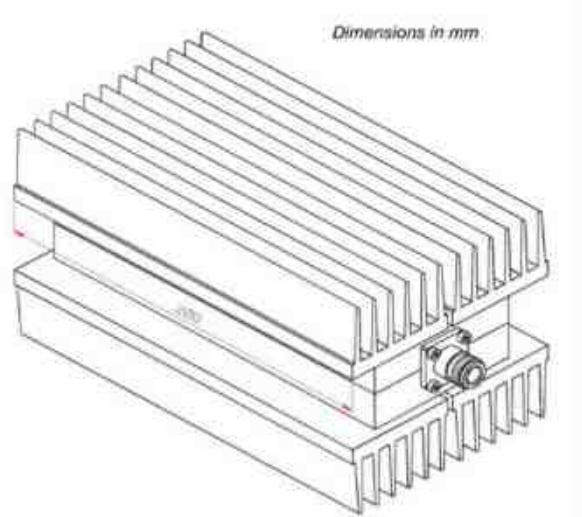


Fig.7

P/N AT305003



P/N AT3015020

Fig.8

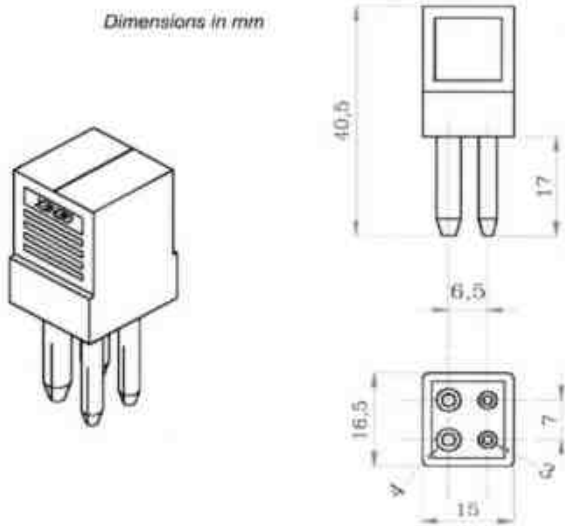
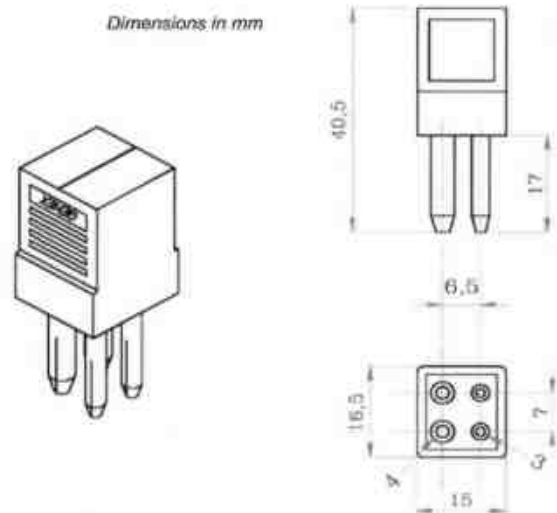


Fig.9

P/N ATA0202



P/N ATA0203

Fig.10

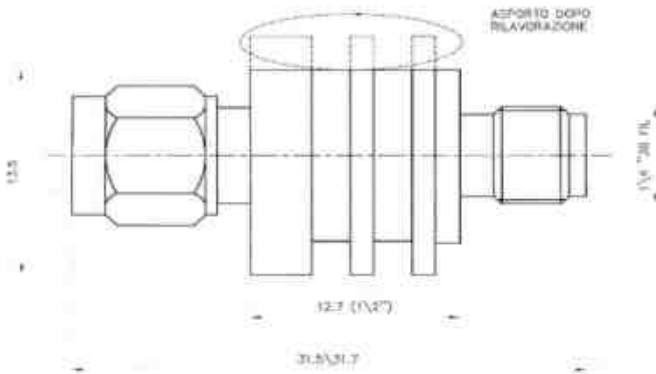


Fig.11

P/N MM13078

P/N

Fig.12

## GENEX RF

- Consulting service and Planning
- Mechanical Precision Manufacturing

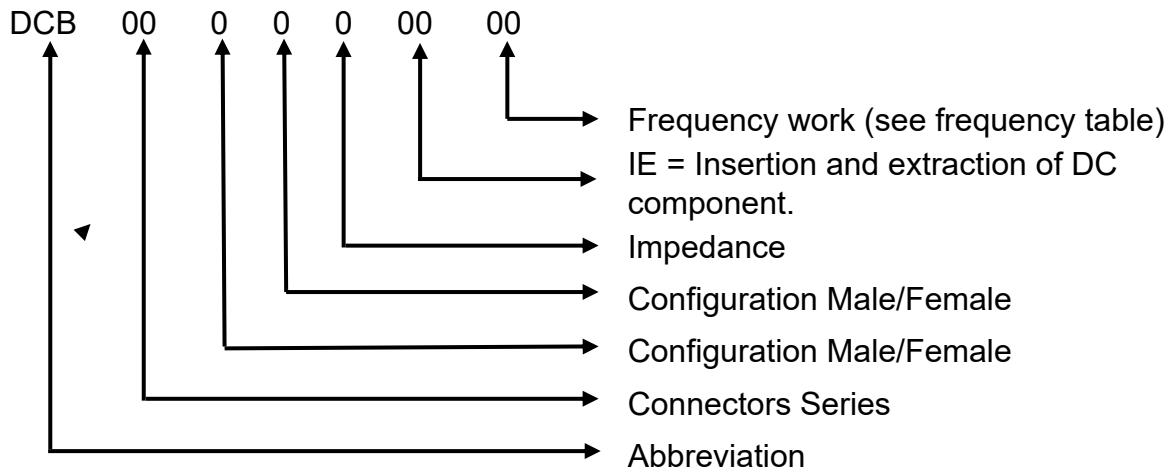


# DC BLOCK



Components described following up represent our standard production. On request is possible produce DC Block with different data sheet.

# GENEX RF DC BLOCK PART NUMBER



Ex.: DCB30115IE28 = DC-Block N f-N f 50Ω IE Freq. 0,004 -1 GHz

## CONNECTORS SERIES

10	BNC	50	HN
20	TNC	61	1.6/5.6
30	N	62	1.8/5.6
31	C	66	2.5/6
32	SC	68	4.1/9.5
33	SMA	69	4.6/1.6
40	UHF	70	DIN 7/16
42	1.0/2.3	75	EIA 1"5/8

## MALE/FEMALE


1	FEMALE	2	MALE
---	--------	---	------

## IMPEDANCE

5	50 Ω	7	75 Ω
---	------	---	------

## DC BLOCK



<i>P.N. GENEX</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Connectors</i>	<i>Impedance</i>	<i>Notes</i>	<i>Fig.</i>
DCB30115IE28	4 - 1000 MHz	100 W	N f - N f	50Ω	(*)	2
DCB30117IE27	4 - 2000 MHz	50 W	N f - N f	75Ω	(*)	
DCB302010IE 	200 - 3000 MHz	200 W	N m - N f	50Ω	(*)	1

(\*) = insertion/extraction of DC component



# DC BLOCK DRAWINGS

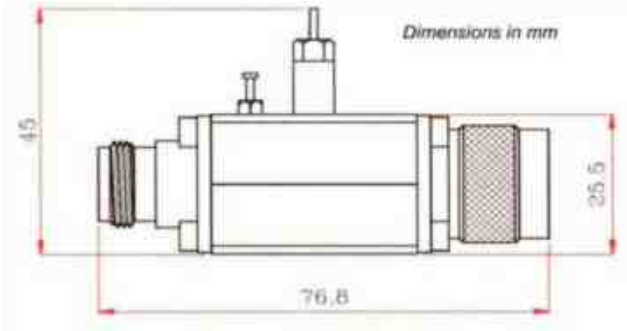
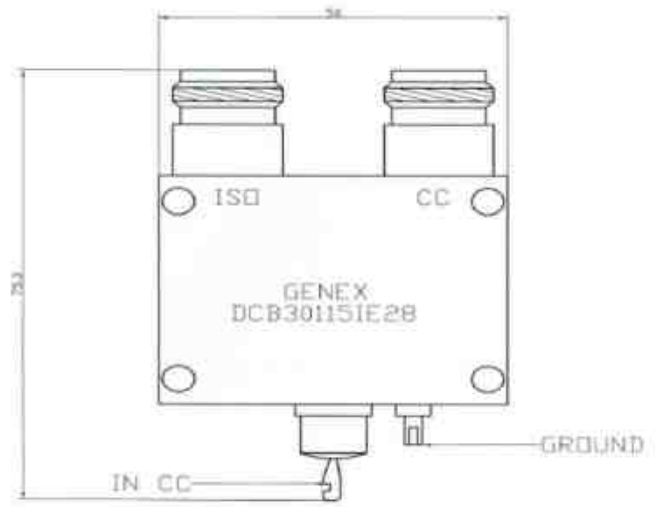


Fig.1

P/N DCB302010IE



P/N DCB30115IE28

Fig.2

Fig.3

P/N

P/N

Fig.4

Fig.5

P/N

P/N

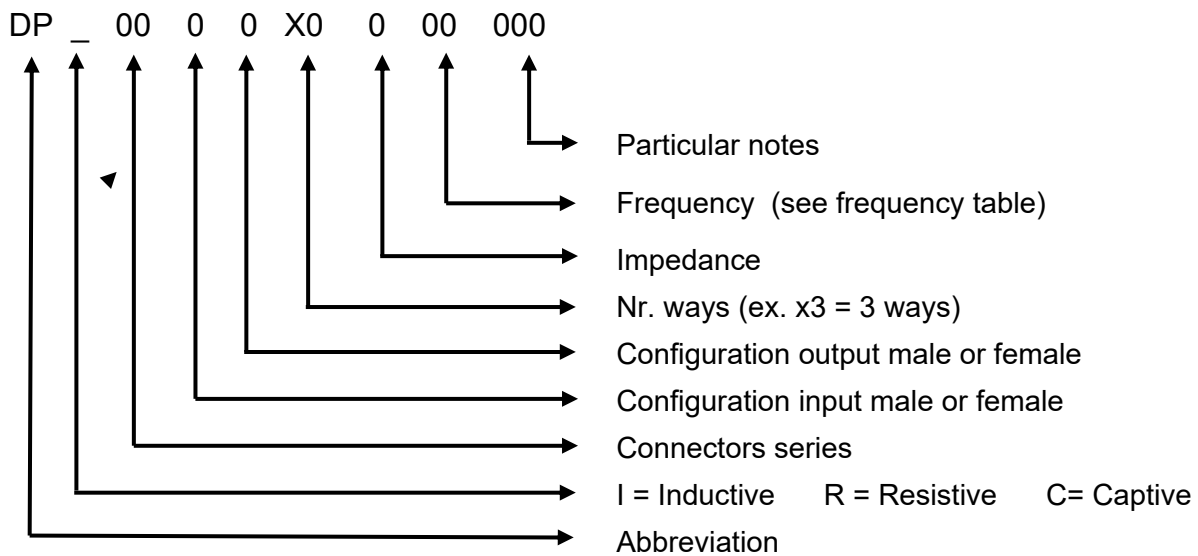
Fig.6

# POWER SPLITTERS



Components described following up represent our standard production. On request is possible produce Power Splitters with different data sheet.

# GENEX RF POWER SPLITTERS PART NUMBER



## CONNECTORS SERIES

10	BNC	61	1.6/5.6
20	TNC	68	4.1/9.5
30	N	70	DIN 7/16
33	SMA	75	EIA 1"5/8
42	1.0/2.3	78	EIA 7/8"

## MALE/FEMALE

1	FEMALE	2	MALE
---	--------	---	------

## IMPEDANCE


5	50 Ω	7	75 Ω
---	------	---	------

## PARTICULAR NOTES

DR	1 straight output
A	Coupling main line -1.0 dB branch line -7 dB
B	Coupling main line -0.4 dB branch line -10 dB
C	Coupling main line -0.1 dB branch line -15 dB

## RESISTIVE POWER SPLITTERS



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Input Connector</i>	<i>Output Connector</i>	<i>Impedance</i>	<i>N° Ways</i>	<i>Fig.</i>
DPR2011X2511	0,03 - 2,5 GHz	2 W	TNC f	TNC f	50 Ω	2	1
DPR3011X2511	0,03 - 2,5 GHz	2 W	N f	N f	50 Ω	2	6
DPR3021X2511	0,03 - 2,5 GHz	2 W	N m	N f	50 Ω	2	3
DPR3311X2537 	0,47 - 4,0 GHz	0,5 W	SMA f	SMA f	50 Ω	2	25
DPR3311X2543	DC - 7,0 GHz	0,5 W	SMA f	SMA f	50 Ω	2	16
DPR3311X4511	DC - 2,5 GHz	0,5 W	SMA f	SMA f	50 Ω	4	4
DPR3311X4537	0,47 - 4,0 GHz	0,5 W	SMA f	SMA f	50 Ω	4	5


## INDUCTIVE POWER SPLITTERS



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Input Connector</i>	<i>Output Connector</i>	<i>Impedance</i>	<i>N° Ways</i>	<i>Fig.</i>
DPI1011X4701	0,05 - 1,0 GHz	2 W	BNC f	BNC f	75 Ω	4	17
DPI2011X8511	0,03 - 2,5 GHz	20 W	TNC f	TNC f	50 Ω	8	38
DPI3011X2522	800-2500 MHz	150 W	N f	N f	50 Ω	2	13
DPI3011X2544	3,4 - 3,6 GHz	150 W	N f	N f	50 Ω	2	37
DPI3011X3522	800-2500 MHz	150 W	N f	N f	50 Ω	3	15
DPI3011X3544	3,4 - 3,6 GHz	150 W	N f	N f	50 Ω	3	36
DPI3011X4522	800-2200 MHz	150 W	N f	N f	50 Ω	4	18
DPI3011X4544	3,4 - 3,6 GHz	150 W	N f	N f	50 Ω	4	35
DPI3021X2505	840 -960 MHz	300 W	N m	N f	50 Ω	2	2
DPI6121X2717	DC - 200 MHz	2 W	1.6/5.6 m	1.6/5.6 f	75 Ω	2	20
DPI6121X2717R	DC - 200 MHz	2 W	1.6/5.6 f	1.6/5.6 m - f	75 Ω	2	19
DPI7011X2522SG	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 f	50 Ω	2	21
DPI7011X3522SG	800-2200 MHz	150 W	DIN 7/16 f	DIN 7/16 f	50 Ω	3	23
DPI7011X3522SGDR	800-2200 MHz	150 W	DIN 7/16 f	DIN 7/16 f	50 Ω	3	24
DPI7011X4522SGDR	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 f	50 Ω	4	14
DPI7800X2509	80 -110 MHz	5 KW	EIA 7/8"	EIA 7/8"	50 Ω	2	26
DPI7800X25092S	80 -110 MHz	5 KW	EIA 7/8"	EIA 7/8"	50 Ω	2	22
DPI7800X2509U	80 -110 MHz	5 KW	EIA 7/8"	EIA 7/8" U form	50 Ω	2	27
DPI780301X2509	80 -110 MHz	1 KW	EIA 7/8"	N f	50 Ω	2	39
DPI780301X4509	80 -110 MHz	2 KW	EIA 7/8"	N f	50 Ω	4	43
DPI780301X45092S	80 -110 MHz	2 KW	EIA 7/8"	N f	50 Ω	4	28
DPI780301X6509	80 -110 MHz	3 KW	EIA 7/8"	N f	50 Ω	6	44
DPI780301X65092S	80 -110 MHz	3 KW	EIA 7/8"	N f	50 Ω	6	29
DPI780301X85092S	80 -110 MHz	4 KW	EIA 7/8"	N f (angle)	50 Ω	8	30
DPI780701X2509	80 -110 MHz	5 KW	EIA 7/8"	DIN 7/16 f	50 Ω	2	31
DPI780701X2509U	80 -110 MHz	5 KW	EIA 7/8"	DIN 7/16 f ad U	50 Ω	2	32
DPI780701X25123S	450 - 860 MHz	5 KW	EIA 7/8"	DIN 7/16 f	50 Ω	2	33
DPI780701X45123S	450 - 860 MHz	5 KW	EIA 7/8"	DIN 7/16 f	50 Ω	4	34

## CAPTIVE POWER SPLITTERS ( TAPPERS)



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Input Connector</i>	<i>Output Connector</i>	<i>Coupling</i>	<i>Imp.</i>	<i>Fig.</i>
DPC3011X2522A	800-2500 MHz	150 W	N f	N f	-1 /-7dB	50 Ω	7
DPC3011X2522B	800-2500 MHz	150 W	N f	N f	-0.4/-10dB	50 Ω	8
DPC3011X2522C	800-2500 MHz	150 W	N f	N f	-0.1/-15dB	50 Ω	9
DPC3011X2548A 	700-2700 MHz	150 W	N f	N f	-1/-7dB	50 Ω	45
DPC7011X2522A	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 f	-1/-7dB	50 Ω	10
DPC7011X2522B	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 f	-0.4/-10dB	50 Ω	11
DPC7011X2522C	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 f	-0.1/-15dB	50 Ω	12
DPC7021X2522A	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 m	-1 /-7dB	50 Ω	40
DPC7021X2522B	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 m	0.4/-10dB	50 Ω	41
DPC7021X2522C	800-2500 MHz	150 W	DIN 7/16 f	DIN 7/16 m	-0.1/-15dB	50 Ω	42

# POWER SPLITTERS DRAWINGS

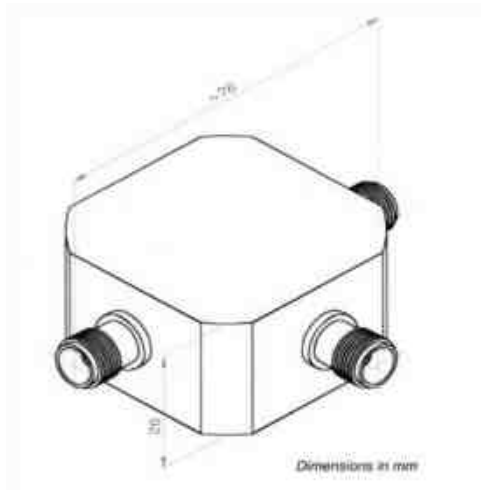
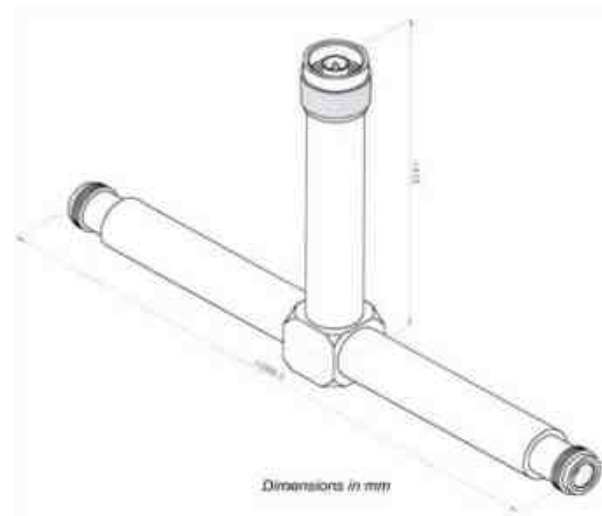


Fig.1

P/N DPR2011X2511



P/N DPI3021X2505

Fig.2

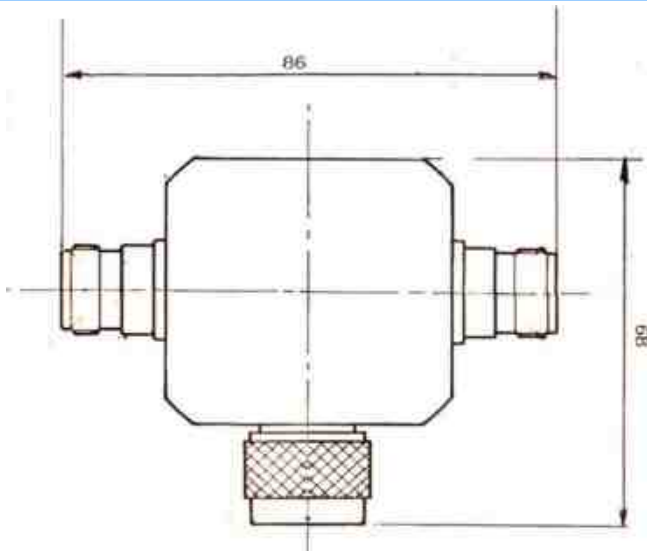
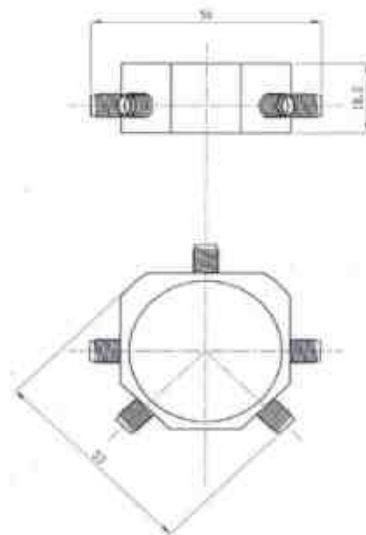


Fig.3

P/N DPR3021X2511



P/N DPR3311X4511

Fig.4

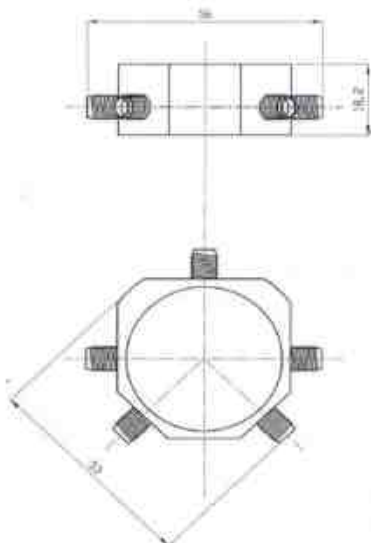
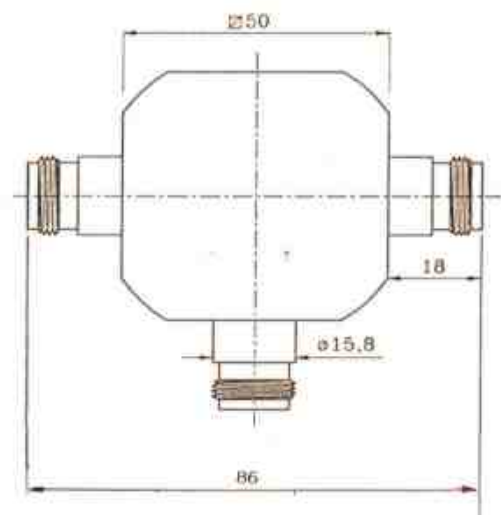


Fig.5

P/N DPR3311X4537

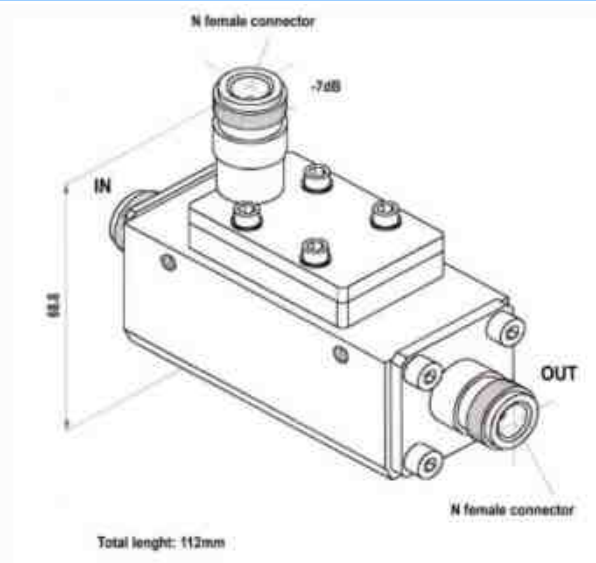


P/N DPR 3011X2511

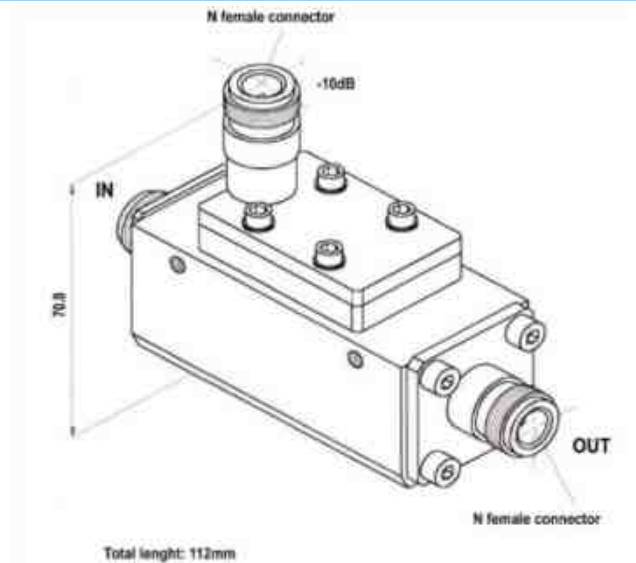
Fig.6



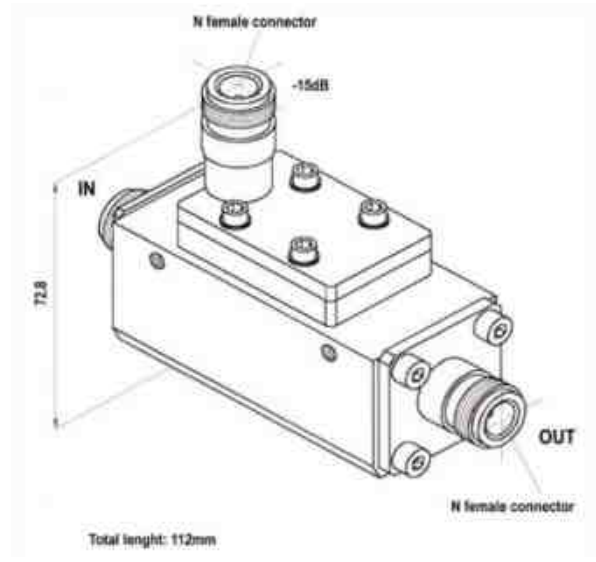
# POWER SPLITTERS DRAWINGS



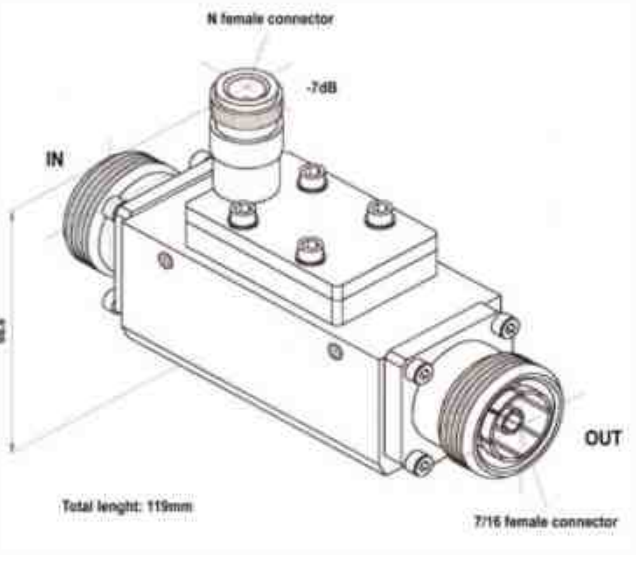
**Fig.7** P/N DPC3011X2522A



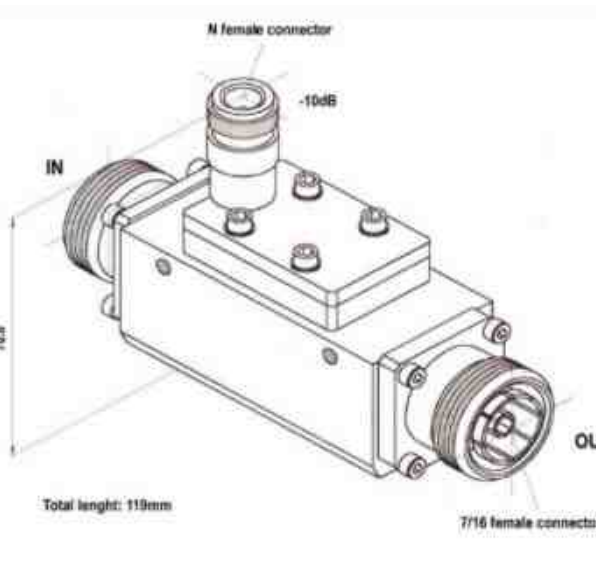
**Fig.8** P/N DPC3011X2522B



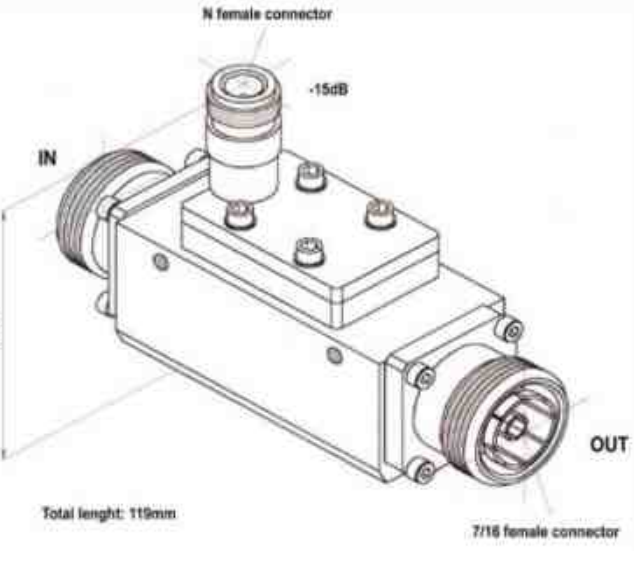
**Fig.9** P/N DPC3011X2522C



**Fig.10** P/N DPC7011X2522A



**Fig.11** P/N DPC7011X2522B



**Fig.12** P/N DPC7011X2522C



# POWER SPLITTERS DRAWINGS

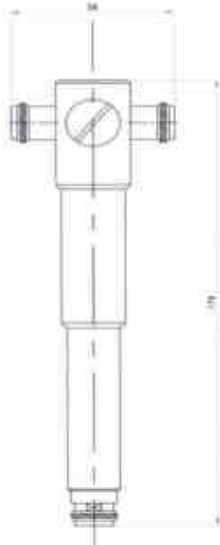


Fig.13

P/N DPI3011X2522

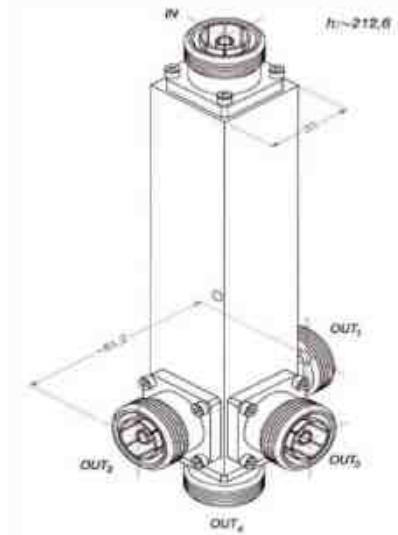


Fig.14

P/N DPI7011X4522SGDR

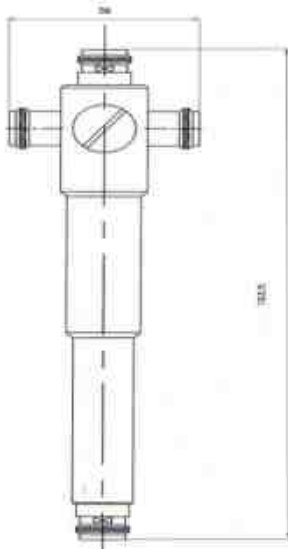


Fig.15

P/N DPI3011X3522

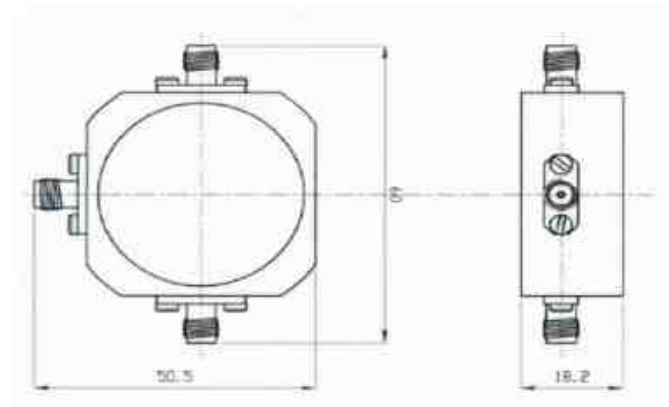


Fig.16

P/N DPR3311X2543

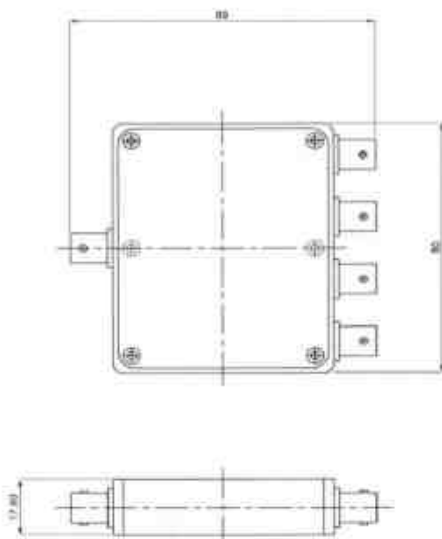


Fig.17

P/N DPI1011X4701

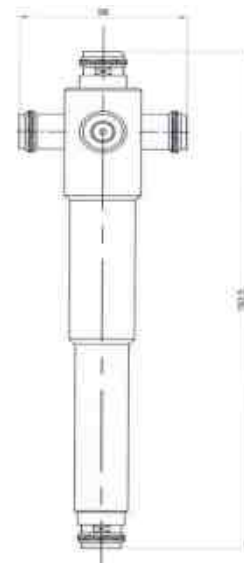
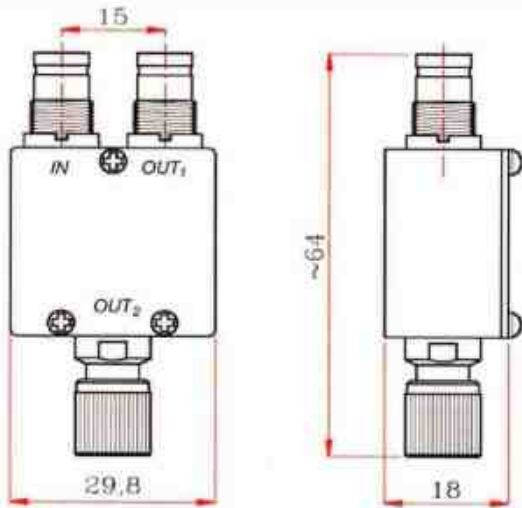


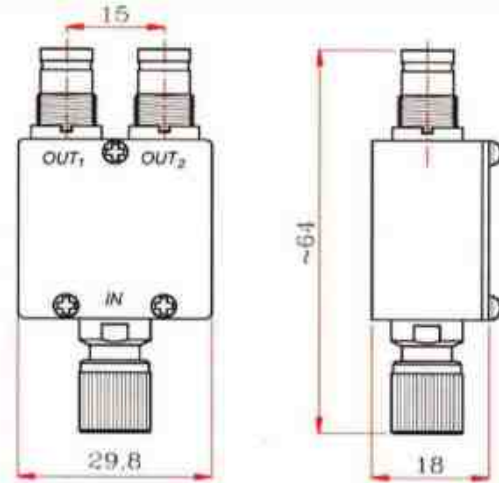
Fig.18

P/N DPI3011X4522

# POWER SPLITTERS DRAWINGS

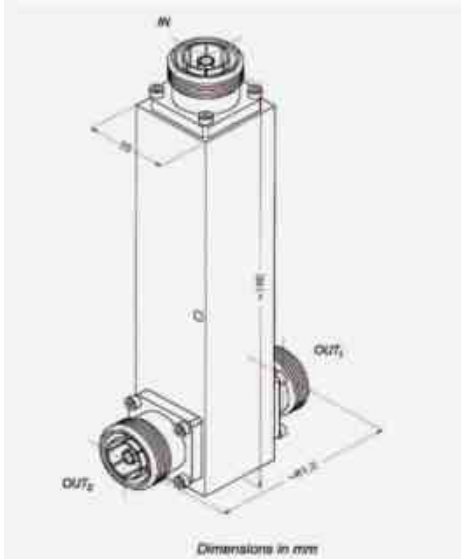


**Fig.19** P/N DPI6121X2717R

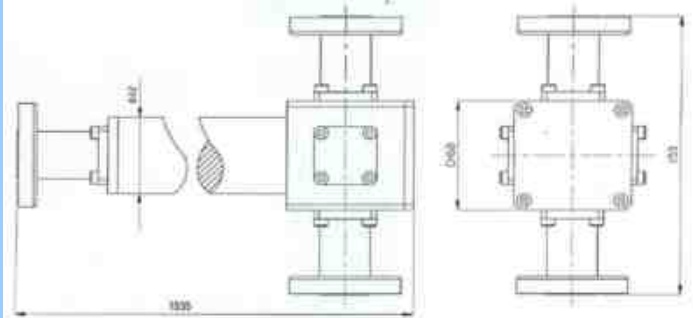


*Dimensions in mm*

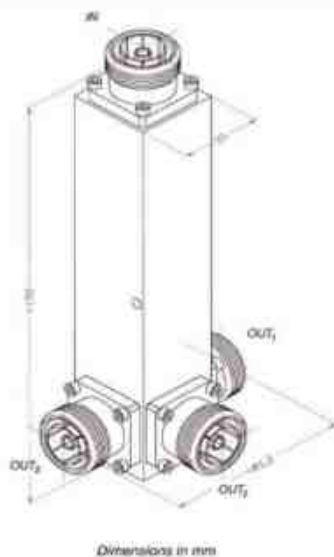
**P/N DPI6121X2717** **Fig.20**



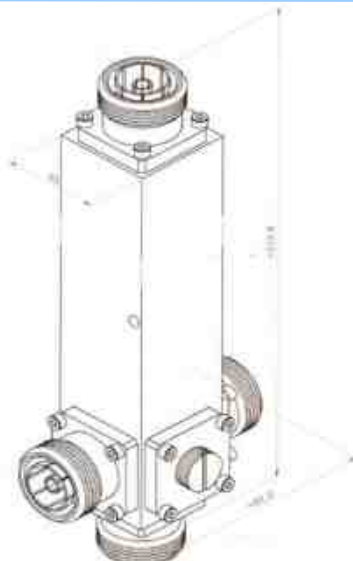
**Fig.21** P/N DPI7011X2522SG



**P/N DPI7800X25092S** **Fig.22**



**Fig.23** P/N DPI7011X3522SG



**P/N DPI7011X3522SGDR** **Fig.24**

# POWER SPLITTERS DRAWINGS

DIVISORE DI POTENZA RESISTIVO  
DPR3311X2537

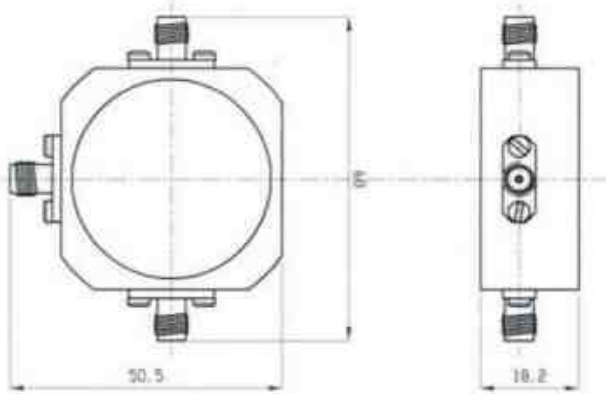
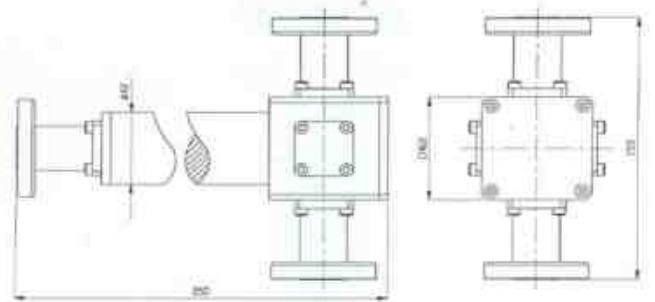


Fig.25

P/N DPR3311X2537



P/N DPI7800X2509

Fig.26

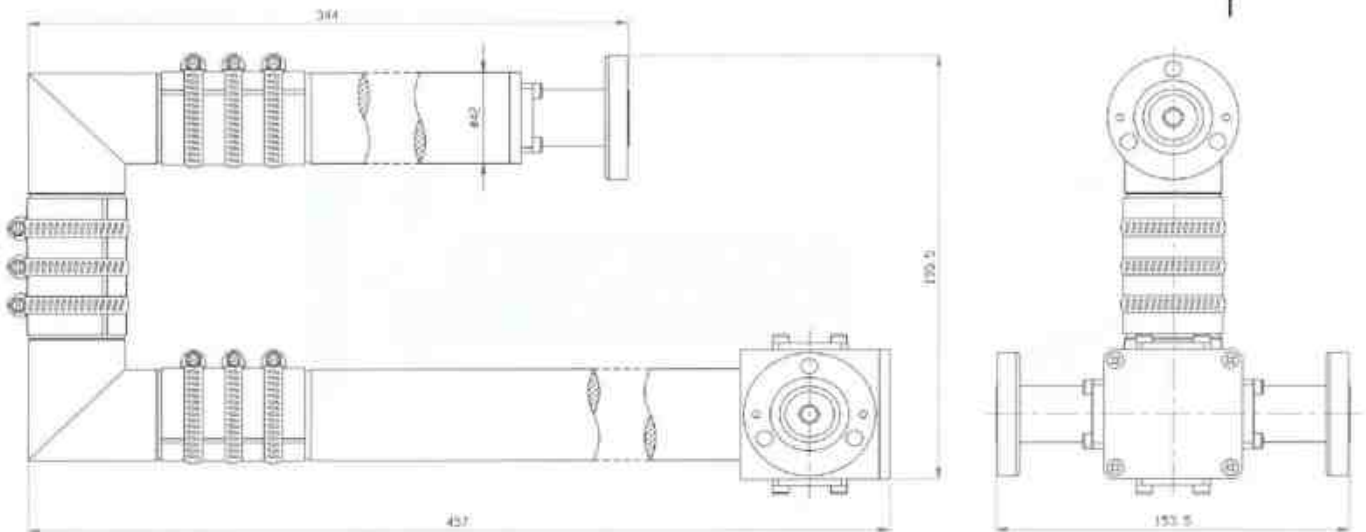


Fig.27

P

P/N DPI7800X2509U

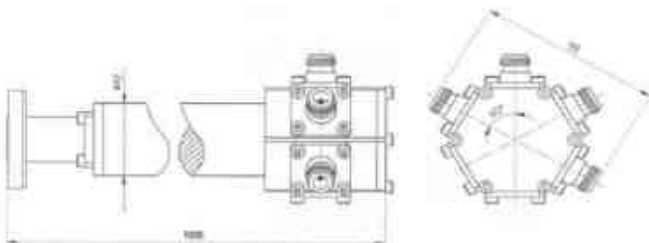
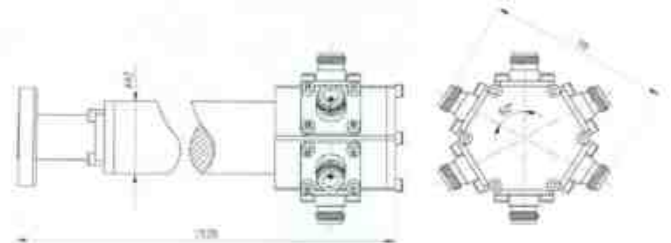


Fig.28

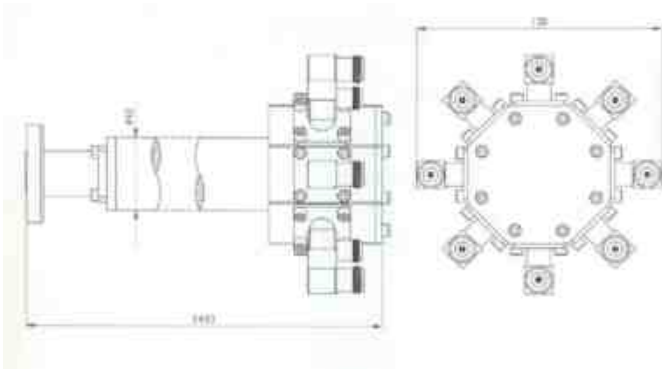
P/N DPI780301X45092S



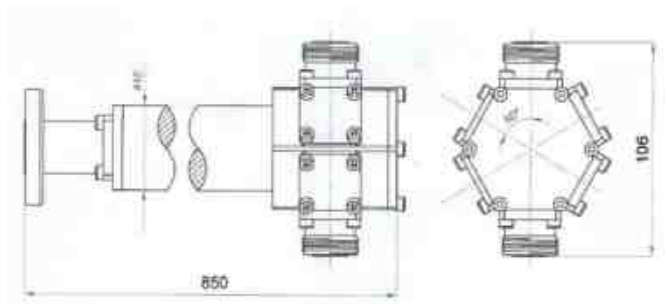
P/N DPI780301X65092S

Fig.29

# POWER SPLITTERS DRAWINGS

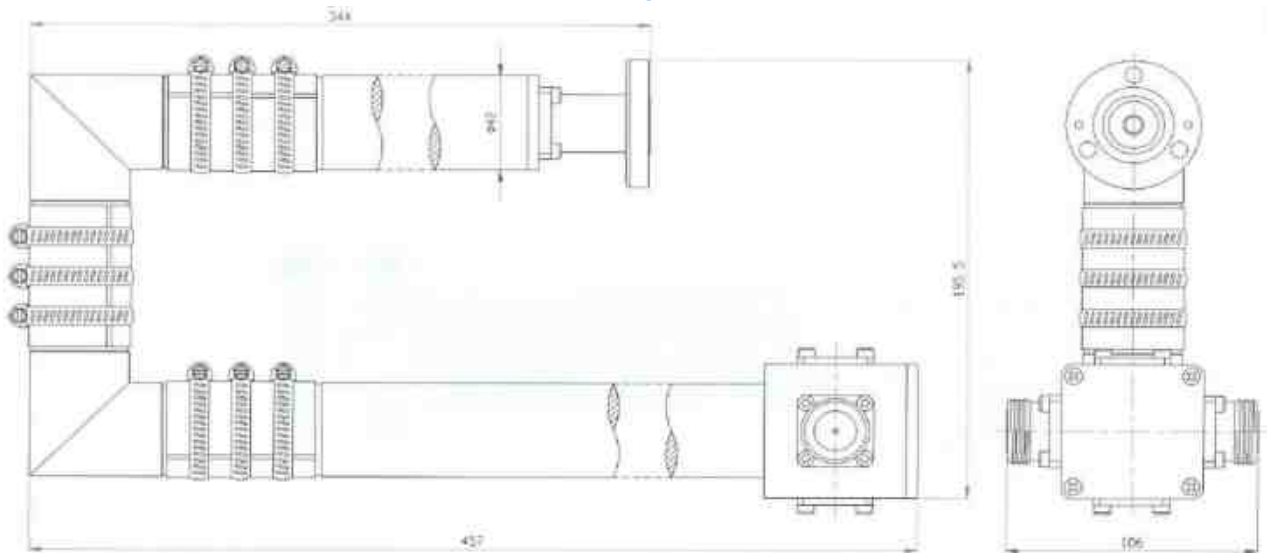


**Fig.30** P/N DPI780301X85092S



**P/N DPI780701X2509**

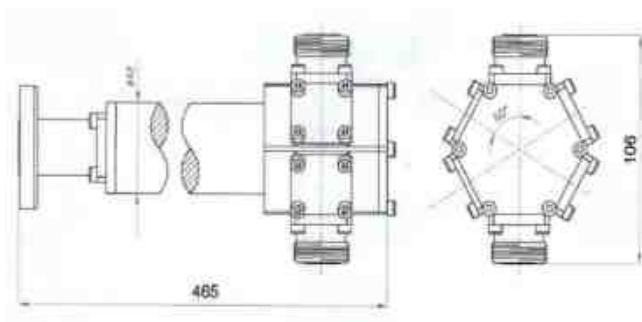
**Fig.31**



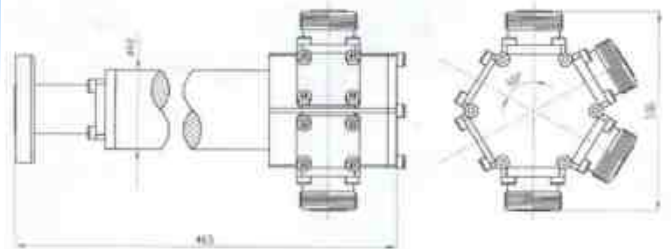
**Fig.32**

**P**

**P/N DPI780701X2509U**



**Fig.33** P/N DPI780701X25123S



**P/N DPI780701X45123S**

**Fig.34**

# POWER SPLITTERS DRAWINGS

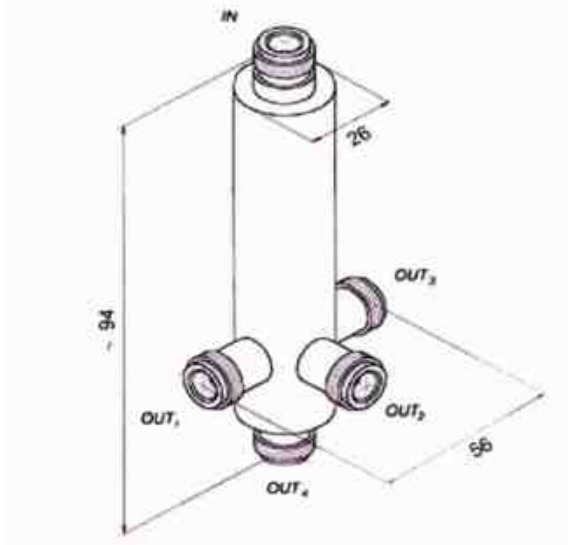
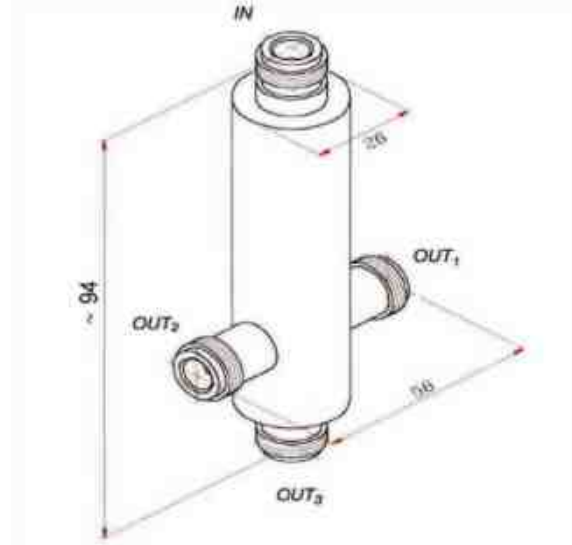


Fig.35 P/N DPI3011X4544



P/N DPI3011X3544 Fig.36

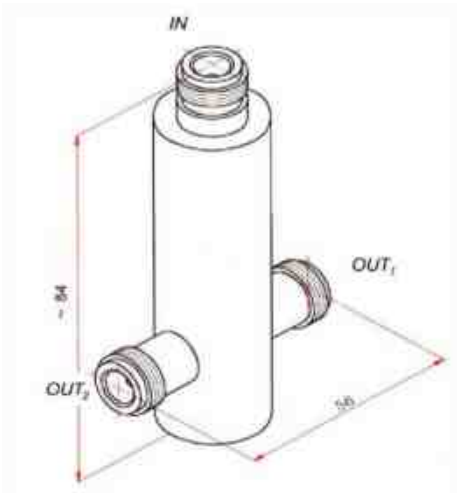
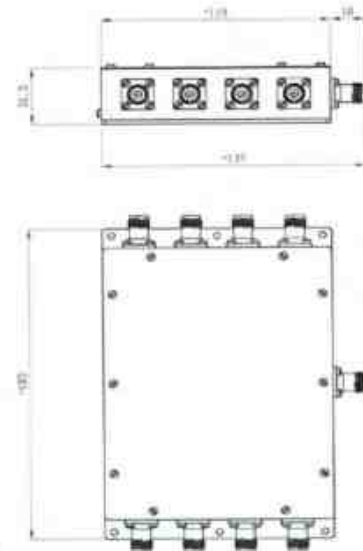


Fig.37 P/N DPI3011X2544



P/N DPI2011X8511 Fig.38

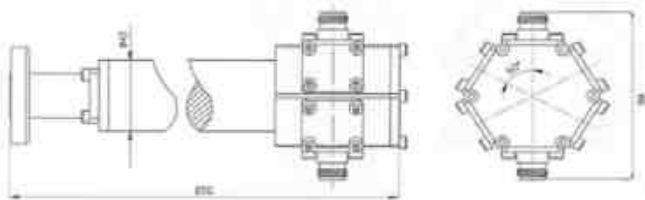
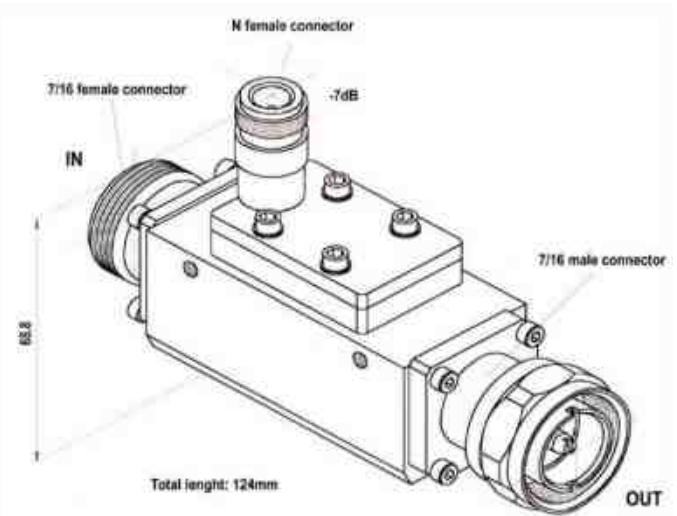


Fig.39 P/N DPI780301X2509



P/N DPC7021X2522A Fig.40

# POWER SPLITTERS DRAWINGS

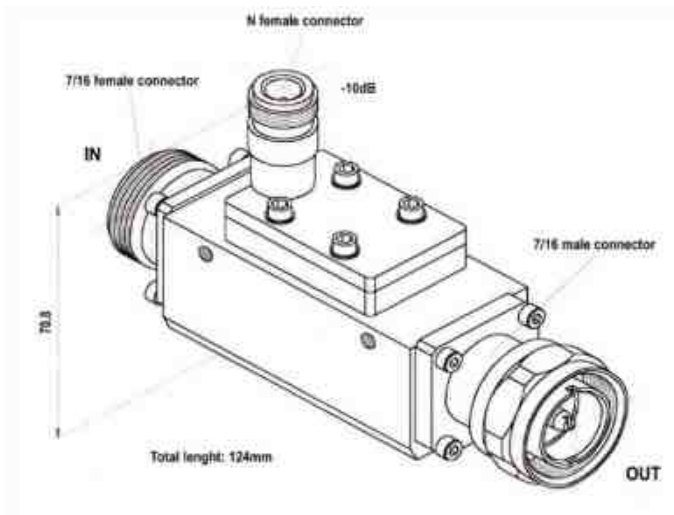


Fig.41

P/N DPC7021X2522B

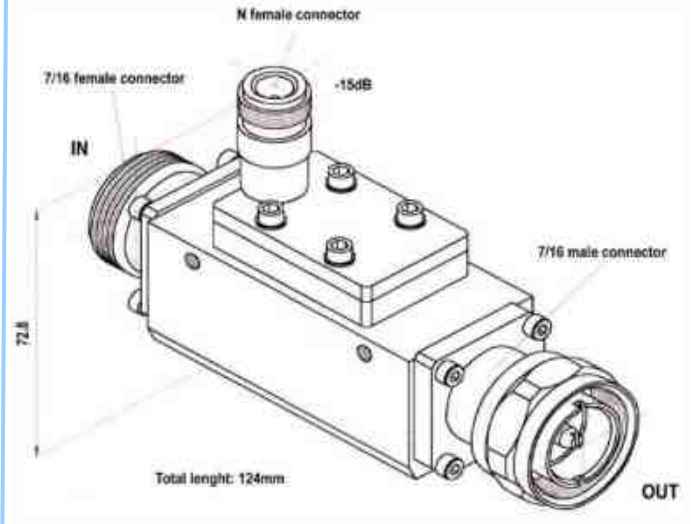


Fig.42

P/N DPC7021X2522C

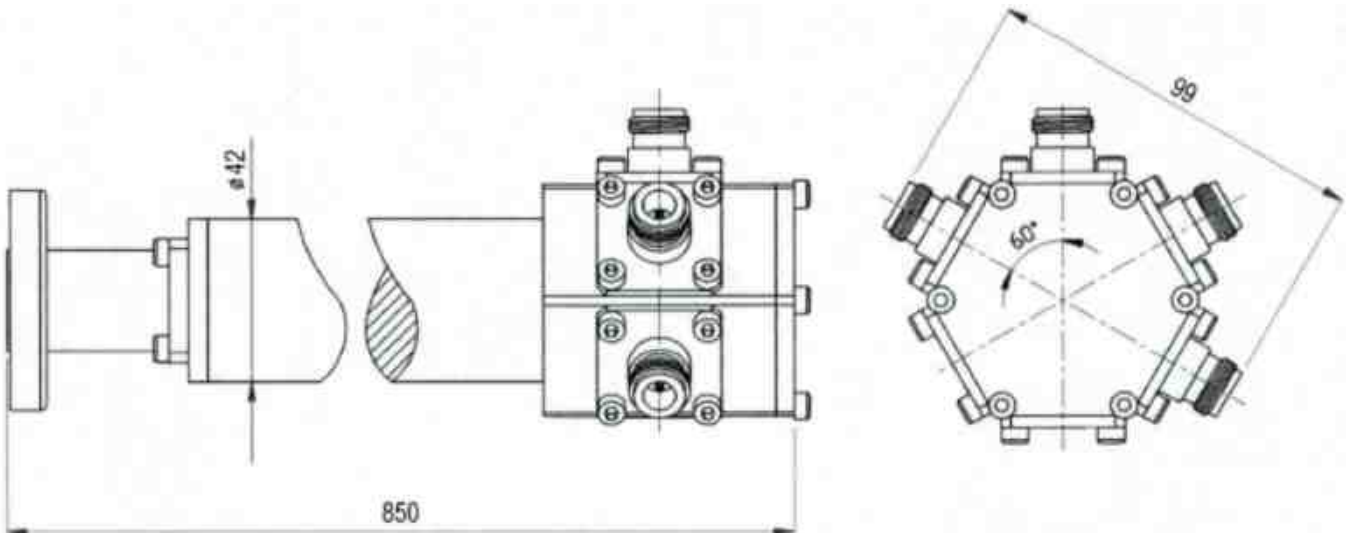


Fig.43

P

P/N DPI780301X4509

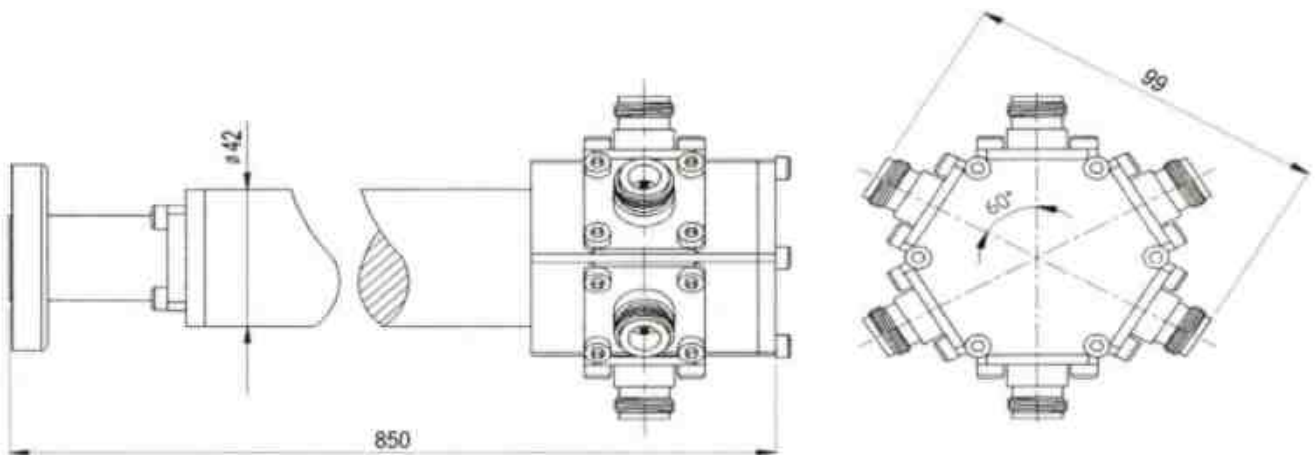
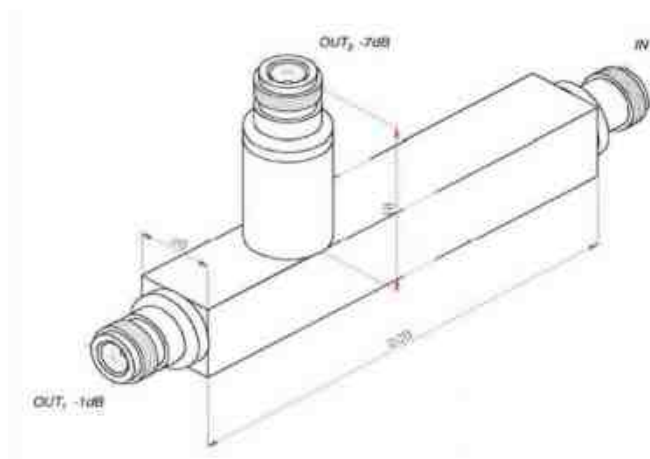


Fig.44

P/N DPI780301X6509

# POWER SPLITTERS DRAWINGS



**Fig.45**

**P/N DPC3011X2548A**

**P/N**

**Fig.46**

**Fig.47**

**P/N**

**P/N**

**Fig.48**

**Fig.49**

**P/N**

**P/N**

**Fig.50**



# FILTERS

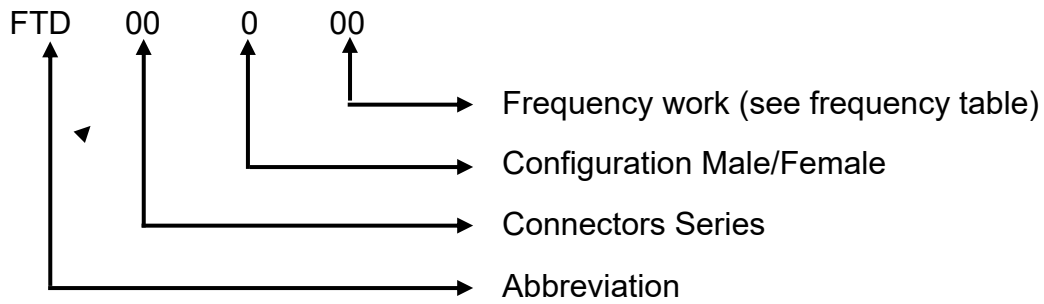


Components described following up represent our standard production. On request is possible produce Filters with different data sheet.



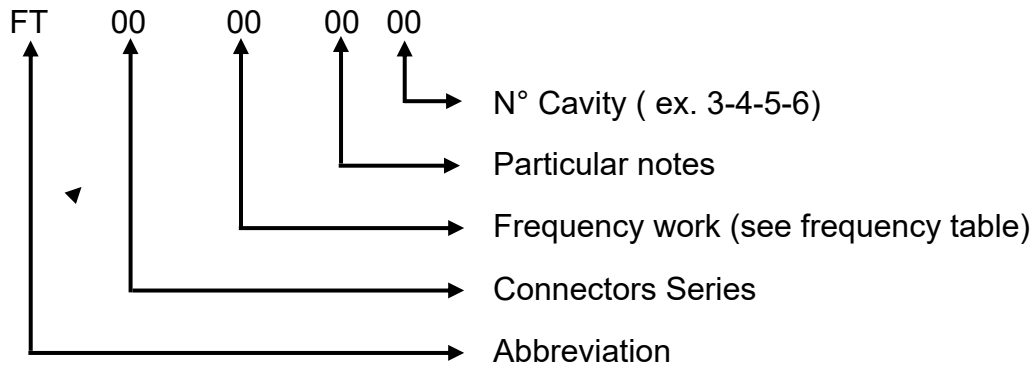
# GENEX RF FILTERS PART NUMBER

## DUPLEXER



Ex.: FTD30124 = Filter Duplexer N f Freq. 0,8 - 1,0/1,7 - 2 GHz

## PASS BAND



Ex.: FT3005PB06 = Pass Band Filter- N - Freq. 840-960 MHz - N°6 cavity

### CONNECTORS SERIES

10	BNC	50	HN
20	TNC	61	1.6/5.6
30	N	62	1.8/5.6
31	C	66	2.5/6
32	SC	68	4.1/9.5
33	SMA	69	4.6/1.6
40	UHF	70	DIN 7/16
42	1.0/2.3	75	EIA 1"5/8

### MALE/FEMALE

1	FEMALE	2	MALE
---	--------	---	------

### PARTICULAR NOTES

PB	BAND PASS	LP	LOW PASS
AP	HIGH PASS	NO	NOTCH

## DUPLEXER FILTERS

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
FTD30124	850 - 2200 MHz	150 ÷ 250W	N F		2
FTD70124	800 - 2200 MHz	150 ÷ 250W	DIN 7/16 F	Pond	1

## PASS BAND FILTERS

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Max Power CW</i>	<i>Connectors</i>	<i>Notes</i>	<i>Fig.</i>
FT3005PB06	840 - 960 MHz	200 W	N f		

# FILTERS DRAWINGS

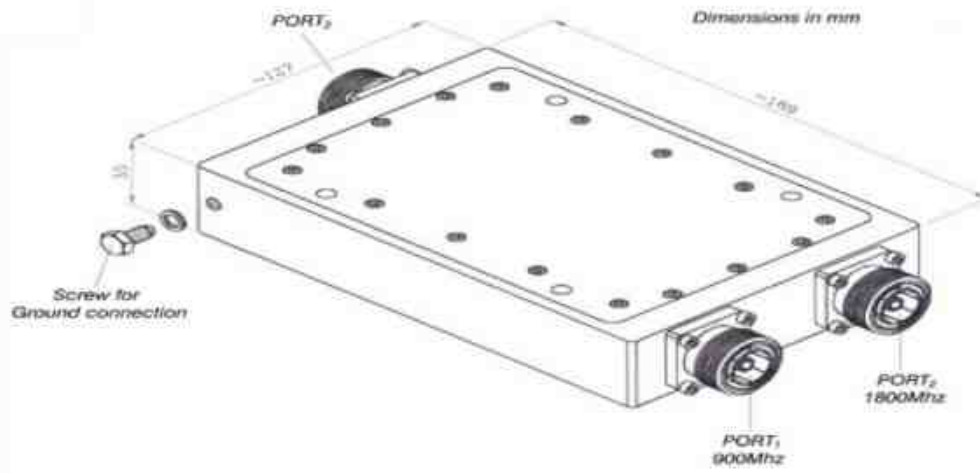


Fig.1

P/N FTD70124

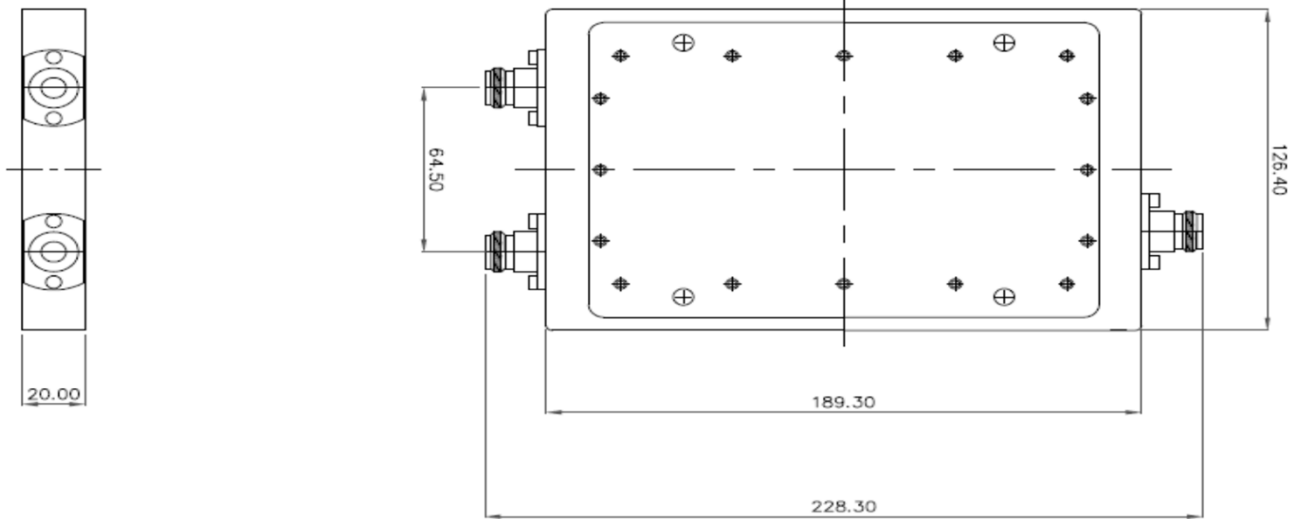


Fig.2

P/N FTD30124

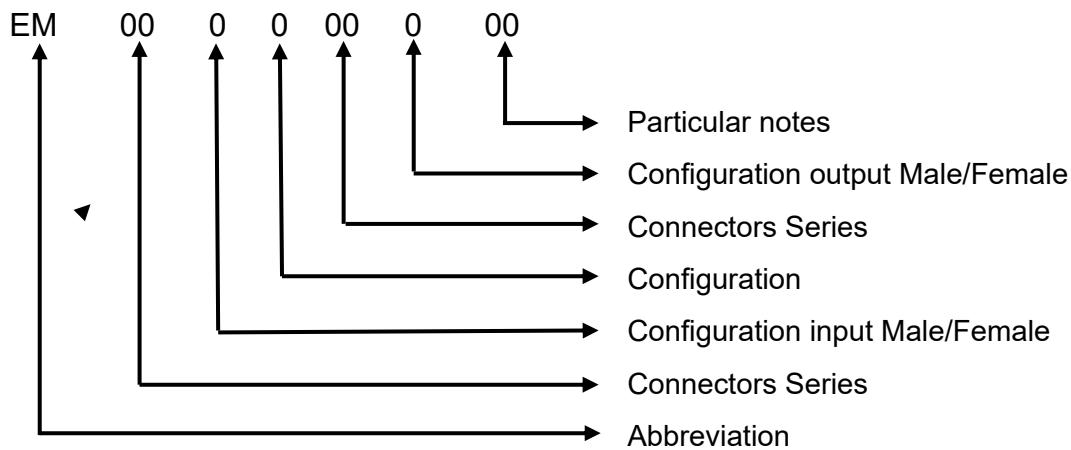
Fig.3

P/N

# LIGHTNING/EMP PROTECTORS

Components described following up represent our standard production. On request is possible produce EMP Protectors with different data sheet.

# GENEX RF LIGHTNING EMP PROTECTORS PART NUMBER



Ex.: EM750775JS = Junction EMP Protector EIA 1"5/8 -1"5/8 with flange for bulkhead mount

## CONNECTORS SERIES

10	BNC	50	HN
20	TNC	61	1.6/5.6
30	N	62	1.8/5.6
31	C	66	2.5/6
32	SC	68	4.1/9.5
33	SMA	69	4.6/1.6
40	UHF	70	DIN 7/16
42	1.0/2.3	75	EIA 1"5/8

## MALE/FEMALE

1	FEMALE	2	MALE
---	--------	---	------

## CONFIGURATION

0	AIR	5	SQUARE PANEL MOUNT OPEN CONTACT
1	FEMALE	6	SQUARE PANEL MOUNT WITH BACK NUT
2	MALE	7	ESAGONAL PANEL MOUNT OPEN CONTACT
3	REDUCTION	8	ESAGONAL PANEL MOUNT WITH BACK NUT
4	ANGLE	9	"T" CONFIGURATION

## PARTICULAR NOTES

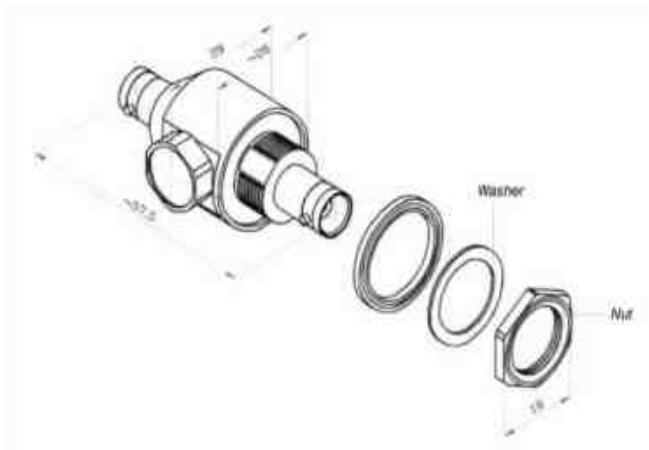
RX	RECEPTION USE ONLY	JS	HIGH POWER
----	--------------------	----	------------

# LIGHTNING/EMP PROTECTORS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Frequency</i>	<i>Return Loss</i>	<i>Insertion Loss</i>	<i>Impedance</i>	<i>Notes</i>	<i>Fig.</i>
EM1017101	EMP Protector BNC f - BNC f	DC/500 MHz	26 dB	0,1 dB	50 Ω	Panel mount	1
EM2017201	EMP Protector TNC f - TNC f	DC/2 GHz	20 dB	0,2 dB	50 Ω	Panel mount	7
EM3017301	EMP Protector N f - N f	DC/2,5 GHz	20 dB	0,2 dB	50 Ω	Panel mount	2
EM3317301	EMP Protector SMA f - N f	DC/2,5 GHz	20 dB	0,2 dB	50 Ω	Panel mount	3
EM7017701	EMP Protector DIN 7/16 f - DIN 7/16 f	DC/2,5 GHz	20 dB	0,2 dB	50 Ω	Panel mount	4
EM7023701	EMP Protector DIN 7/16 m - DIN 7/16 f	DC/2 GHz	20 dB	0,2 dB	50 Ω		5
EM750775JS	EMP Protector EIA 1" 5/8	DC/30 MHz	20 dB	0,01dB	50 Ω	Panel mount high power	6
EM750775RX	EMP Protector EIA 1" 5/8	DC/30 MHz	20 dB	0,01dB	50 Ω	Panel mount RX use only	8

# LIGHTNING/EMP PROTECTORS DRAWINGS



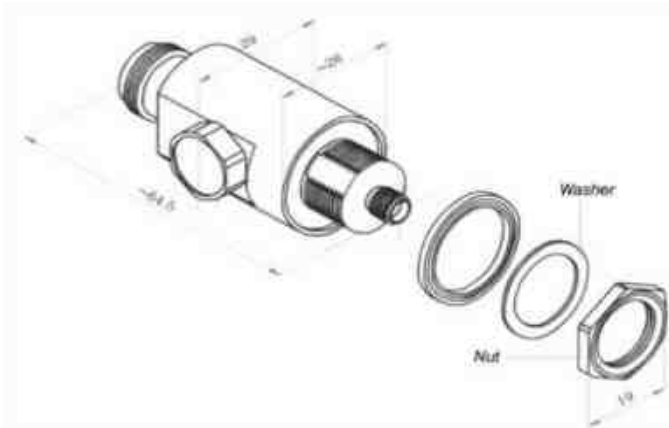
**Fig.1**

**P/N EM1017101**



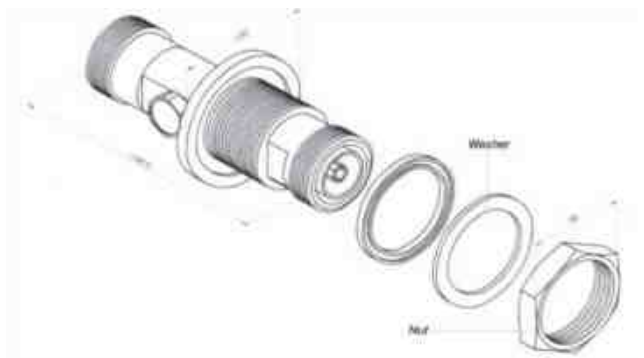
**P/N EM3017301**

**Fig.2**



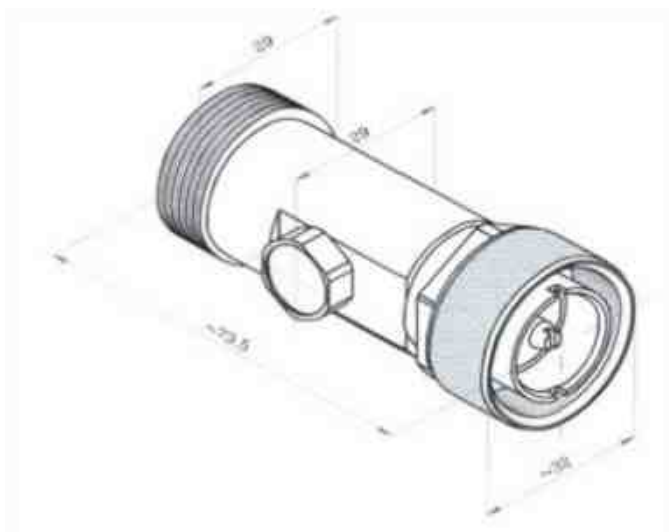
**Fig.3**

**P/N EM3317301**



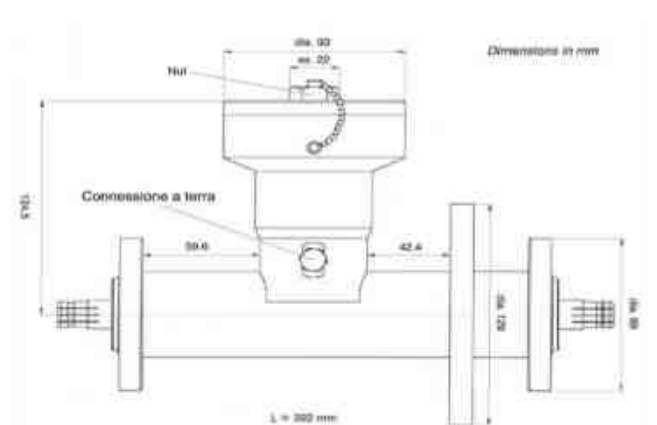
**P/N**

**Fig.4**



**Fig.5**

**P/N EM7023701**



**P/N EM750775JS**

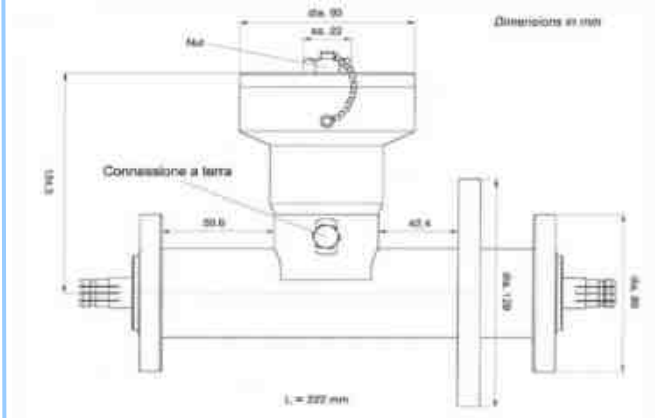
**Fig.**

# LIGHTNING/EMP PROTECTORS DRAWINGS



**Fig.7**

**P/N EM2017201**



**P/N EM750775RX**

**Fig.8**

**Fig.9**

**P/N**

**P/N**

**Fig.10**

**Fig.11**

**P/N**

**P/N**

**Fig.12**



In naval area, GENEX RF organize RF wiring dedicated: there are examples like our Lightning\EMP protectors used for protection against electro-magnetical discharges in UHF band earth-board-earth sites.



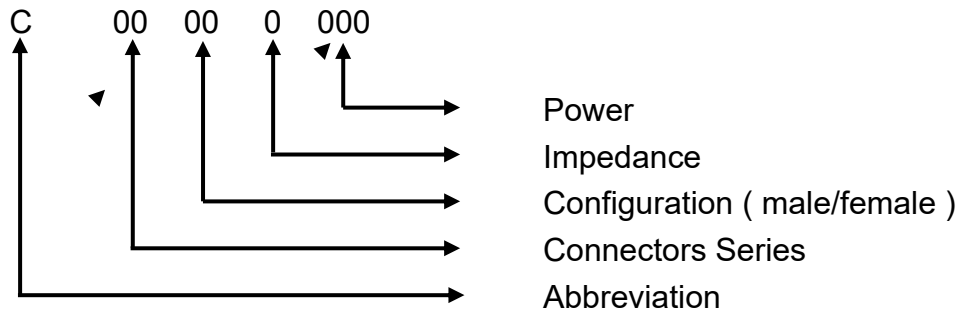
# COAXIAL TERMINATIONS

## 50Ω / 75Ω



Components described following up represent our standard production. On request is possible produce Coaxial Terminations with different data sheet.

# GENEX RF COAXIAL TERMINATIONS PART NUMBER



Ex.: C3010505 = Termination NF 50Ω 5 watts

## CONNECTORS SERIES

10	BNC	62	1.6/5.6
20	TNC	63	25/58
30	N	66	2.5/6
31	C	68	4.1/9.5
32	SC	69	4.6/16
33	SMA	70	DIN 7/16
35	SMC	73	EIA 3"1/8
40	UHF	74	FLANGE DIN 7/16
42	1.0/2.3	75	EIA 1"5/8
50	HN	78	EIA 7/8"
60	LC	97	SMZ
61	1.6/5.6		

## MALE/FEMALE

10	FEMALE	20	MALE
----	--------	----	------

## IMPEDANCE

5	50Ω	7	75Ω
---	-----	---	-----

## POWER

01	1 WATT	50	50 WATTS
02	2 WATTS	60	60 WATTS
05	5 WATTS	80	80 WATTS
15	15 WATTS	150	150 WATTS
20	20 WATTS	250	250 WATTS
40	40 WATTS	1000	1000 WATTS

## ALPHABETICAL SUFFIX

LV	OF PRECISION	IX	INOX STEEL
----	--------------	----	------------

## TERMINATIONS 50 Ω / 75 Ω

### BNC MALE CONNECTOR



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C1020501	DC/1,5 GHz	1 W	50Ω		1
C1020701	DC/1,0 GHz	1 W	75Ω		2
C1020705	DC/500 MHz	5 W	75Ω		

### SMA MALE CONNECTOR




<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C3320501	DC/12 GHz	1 W	50Ω		
C3320501LV	DC/18 GHz	1 W	50Ω		
C33205150141Flex	DC/ 4 GHz	150 W	50Ω		29
C33245150141Flex	DC/ 4 GHz	150 W	50Ω	angle 90°	30

### SMA FEMALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C3310501LV	DC - 18 GHZ	1W	50Ω	of precision	
C3310505	DC - 12 GHZ	5W	50Ω		




## TNC MALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C2020502 	DC/12 GHz	2 W	50Ω		3
C2020505	DC/11 GHz	5 W	50Ω		15
C2020515	DC/ 4 GHz	15 W	50Ω		




## N MALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C3020501	DC/12 GHz	1 W	50Ω		22
C3020501LV	DC/10 GHz	1 W	50Ω	of precision	4
C3020505	DC/4 GHz	5 W	50Ω		5
C3020515	DC/7 GHz	15 W	50Ω		6
C30205150	DC/4 GHz	150 W	50Ω		17
C3020520LV	DC/18 GHz	20 W	50Ω	of precision	
C30205250	DC/3 GHz	250 W	50Ω		18
C3020540	DC/4 GHz	40 W	50Ω		7
C3020560	DC/4 GHz	60 W	50Ω		8
C3020560LV 	DC/6 GHz	60 W	50Ω	of precision	20
C3020702	DC/2 GHz	2 W	75Ω		26



## N FEMALE CONNECTOR



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C3010501	DC/10 GHz	1 W	50Ω		
C3010501LV	DC/12 GHz	1 W	50Ω	of precision	
C3010505	DC/4 GHz	5 W	50Ω		
C3010515	DC/7 GHz	15 W	50Ω		
C30105150	DC/4 GHz	150 W	50Ω		16
C3010520LV	DC/18 GHz	20 W	50Ω	of precision	
C30105250	DC/2 GHz	250 W	50Ω		
C3010540	DC/4 GHz	40 W	50Ω		
C3010560	DC/4 GHz	60 W	50Ω		
C3010702 	DC/2 GHz	2 W	75Ω		25

## 4.1/9.5 MALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C6820502	DC/11 GHz	2 W	50Ω		12

## 4.1/9.5 FEMALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C6810502	DC/11 GHz	2 W	50Ω		11

## 1.0/2.3 MALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C4220701	DC/1,0 GHz	1 W	75Ω		9

## 1.6/5.6 MALE CONNECTOR


<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C6120701	DC/1,0 GHz	1 W	75Ω		10

## 4.6/16 MALE CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C6920705	DC/2 GHz	5 W	75Ω		23


## FLANGE EIA 7/8"



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C7800502	DC/1,5 GHz	2 W	50Ω		
C7800515 	DC/3,0 GHz	15 W	50Ω		28
C78005150	DC/1 GHz	150 W	50Ω		

## DIN 7/16 MALE CONNECTOR



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C7020505	DC/7 GHz	5 W	50Ω		13
C7020515	DC/7 GHz	15 W	50Ω		14
C70205150	DC/2 GHz	150 W	50Ω		
C7020525	DC/4 GHz	25 W	50Ω		21
C70205250	DC/3 GHz	250 W	50Ω		19
C7020560 	DC/2,5 GHz	60 W	50Ω		24

## DIN 7/16 FEMALE CONNECTOR

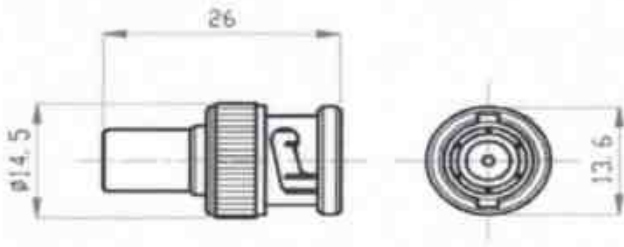
<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C7010505	DC/4 GHz	5 W	50Ω		
C7010515	DC/7 GHz	15 W	50Ω		
C70105150	DC/2 GHz	150 W	50Ω		
C70105250	DC/2 GHz	250 W	50Ω		
C7010560	DC/2,5 GHz	60 W	50Ω		

## FLANGE DIN 7/16 CONNECTOR

<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>NOTES</i>	<i>Fig.</i>
C7400525	DC/7 GHz	25 W	50Ω		27



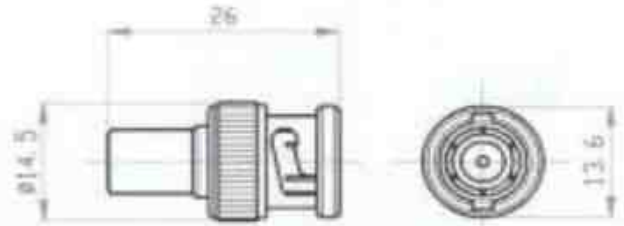
# COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS



Dimensioni in millimetri

Fig.1

P/N C1020501



P/N C1020701

Fig.2

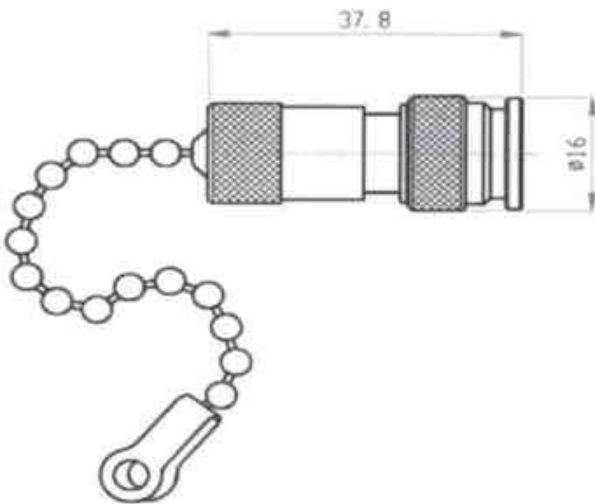
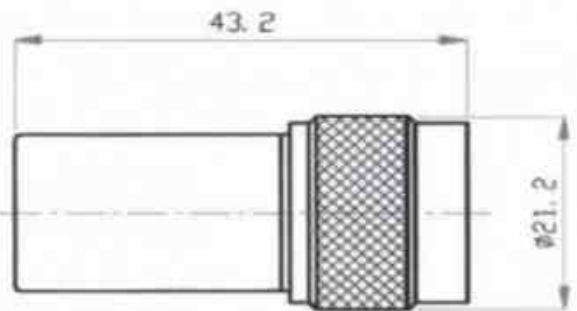


Fig.3

P/N C2020502

Dimensioni in millimetri



P/N C3020501LV

Fig.4

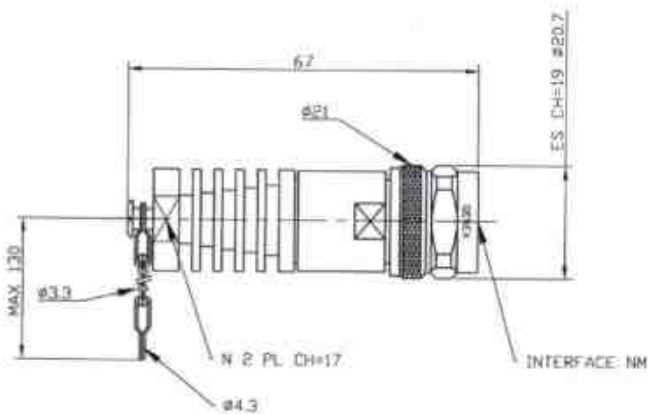
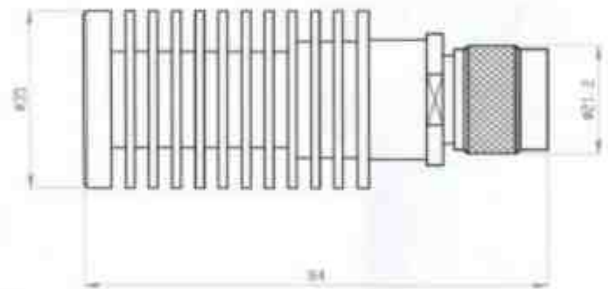


Fig.5

P/N C3020505



P/N C3020515

Fig.6

# COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

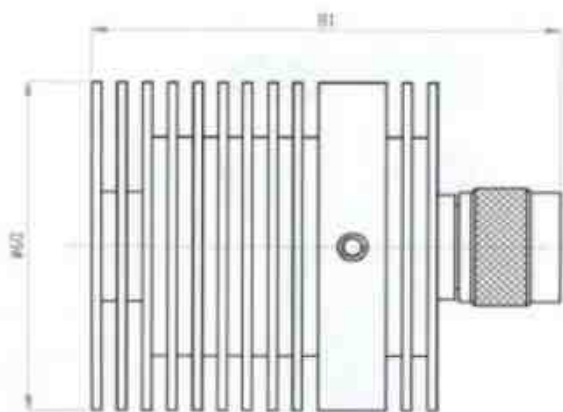
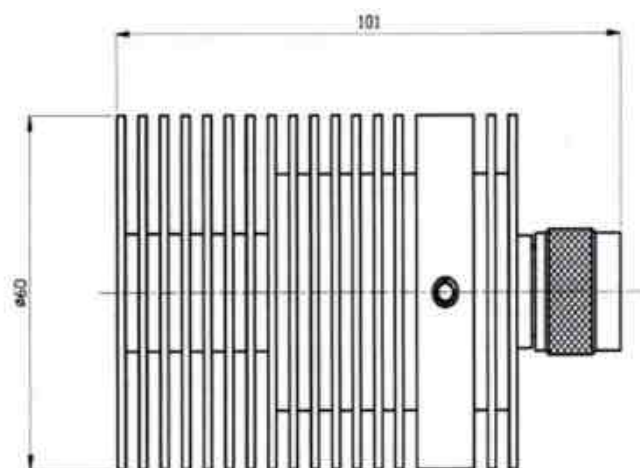


Fig.7

P/N C3020540



P/N C3020560

Fig.8

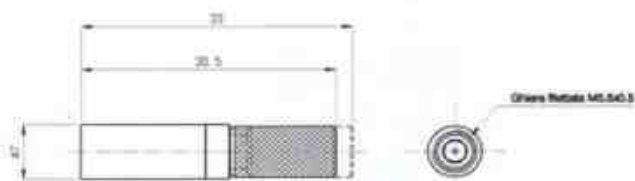
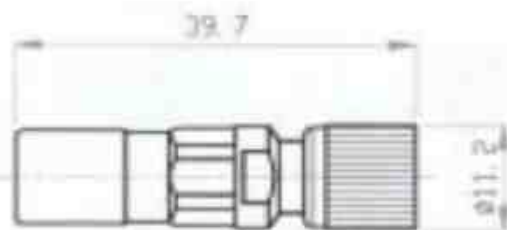


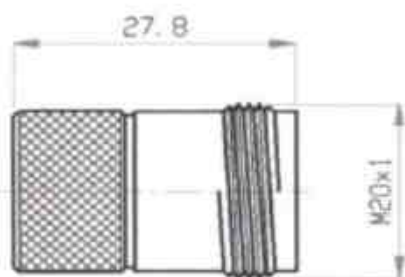
Fig.9

P/N C4220701



P/N C6120701

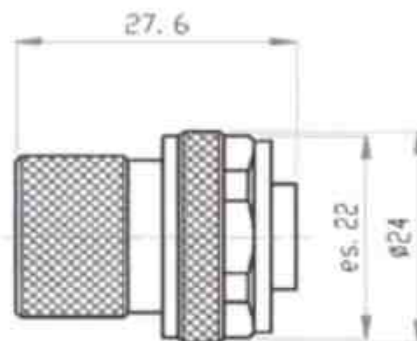
Fig.10



Dimensioni in millimetri

Fig.11

P/N C6810502



P/N C6820502

Fig.12

# COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

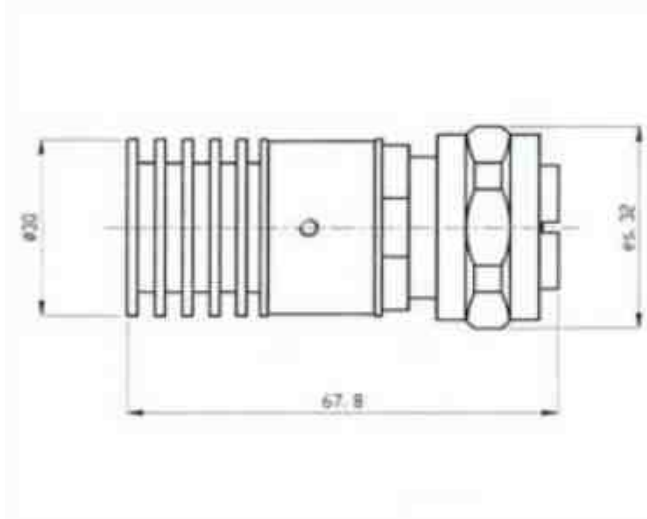
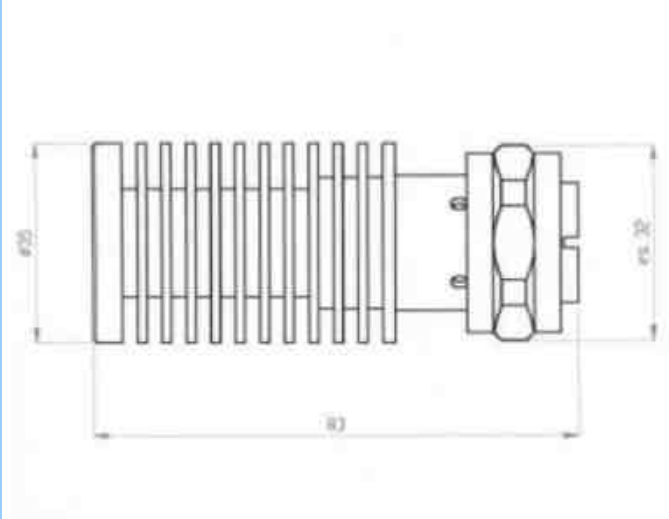


Fig.13

P/N C7020505



P/N C7020515

Fig.14

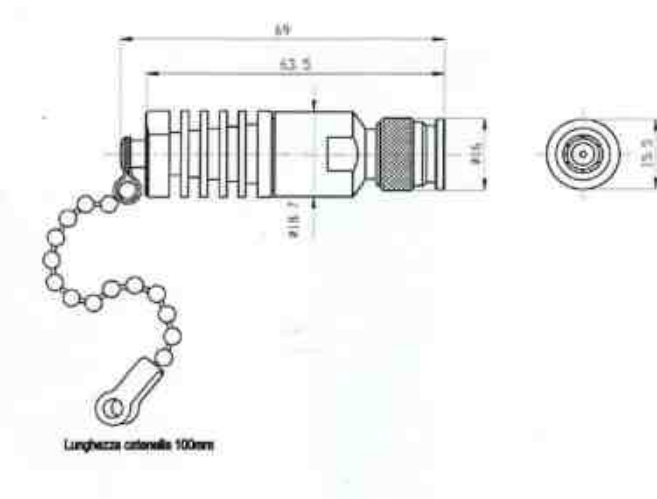
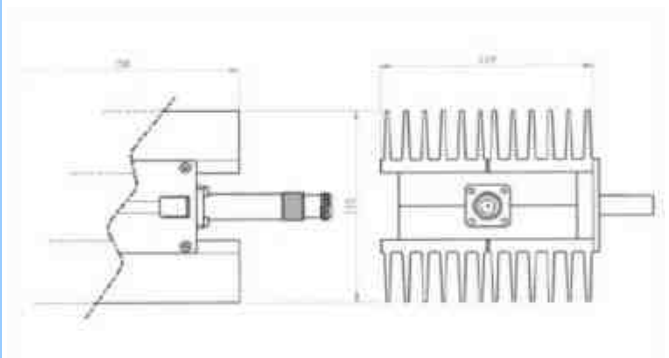


Fig.15

P/N C2020505



P/N C30105150

Fig.16

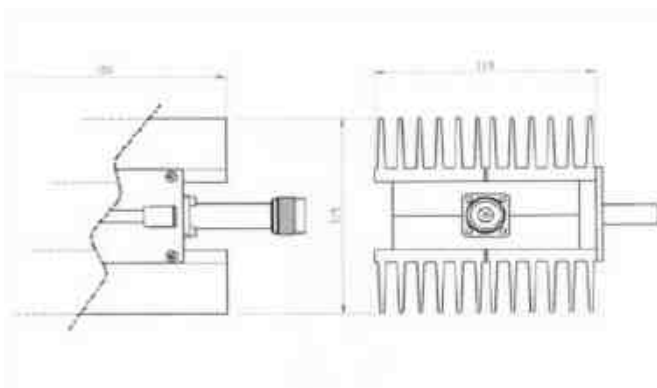
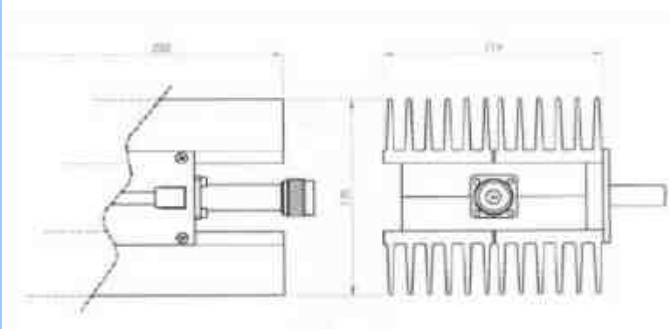


Fig.17

P/N C30205150



P/N C30205250

Fig.18

# COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

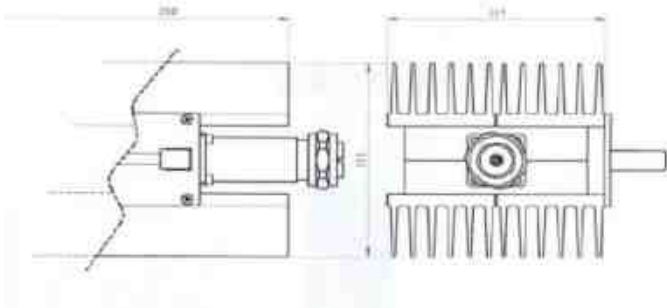
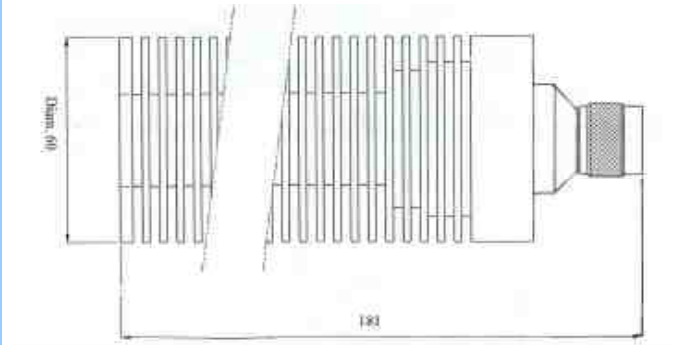


Fig.19

P/N C70205250



P/N C3020560LV

Fig.20

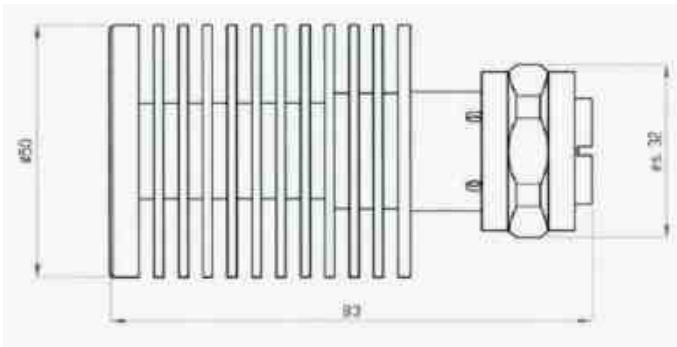
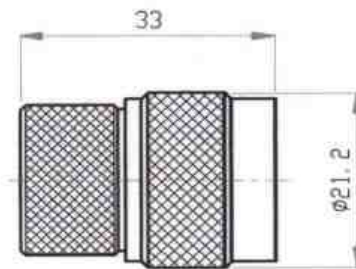


Fig.21

P/N C7020525



P/N C3020501

Fig.22

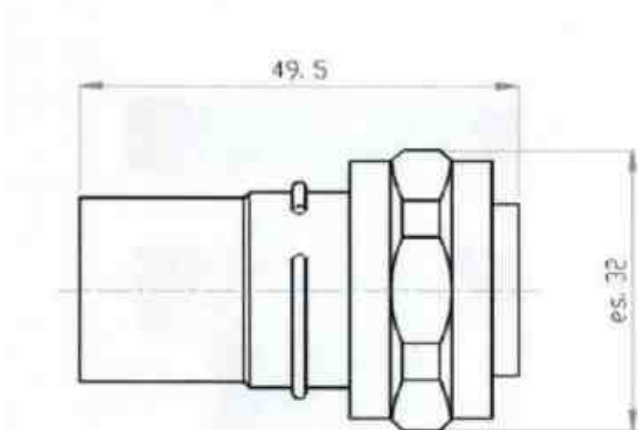
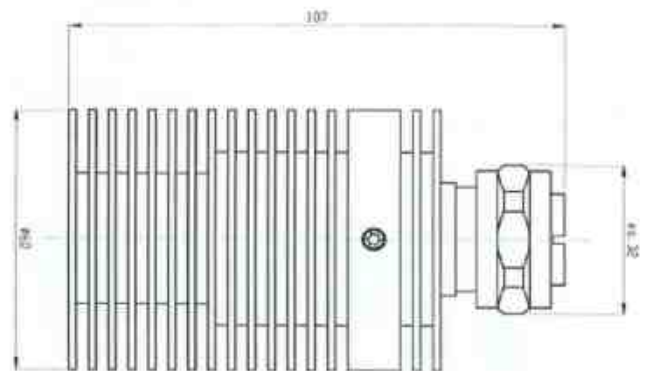


Fig.23

P/N C6920705



P/N C7020560

Fig.24

# COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

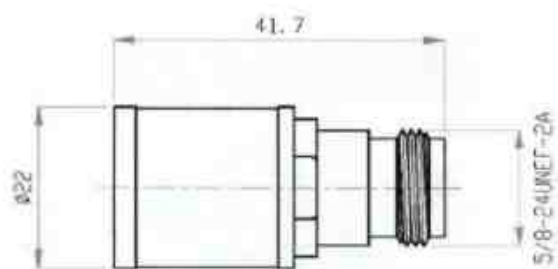
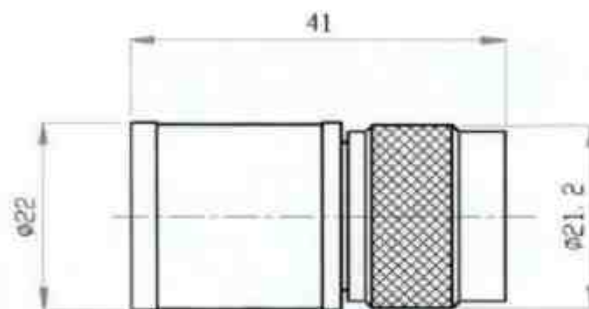


Fig.25

P/N C3010702



P/N C3020702

Fig.26

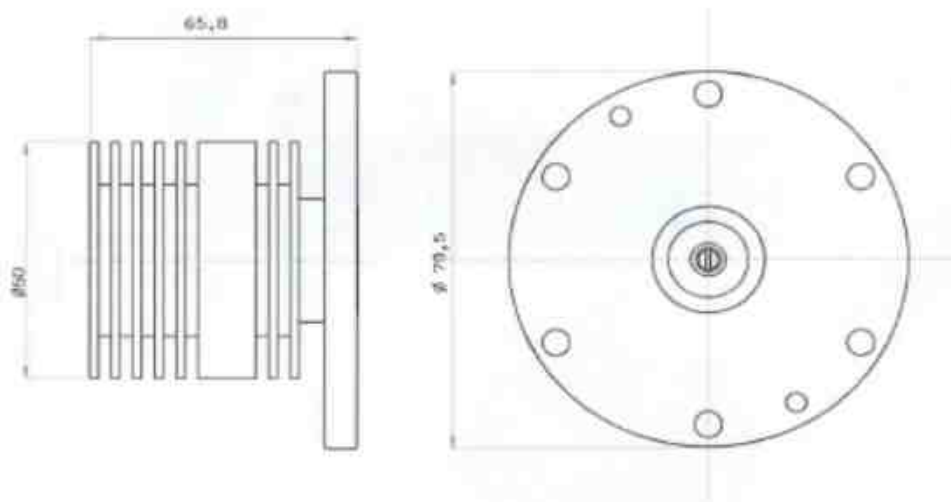


Fig.27

P/N C7400525

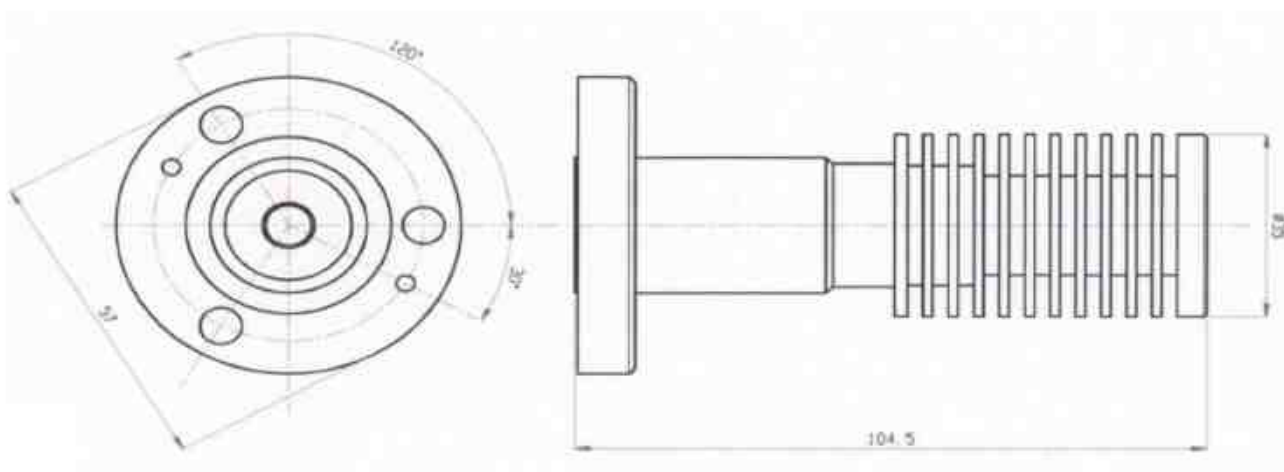


Fig.28

P/N C7800515

# COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

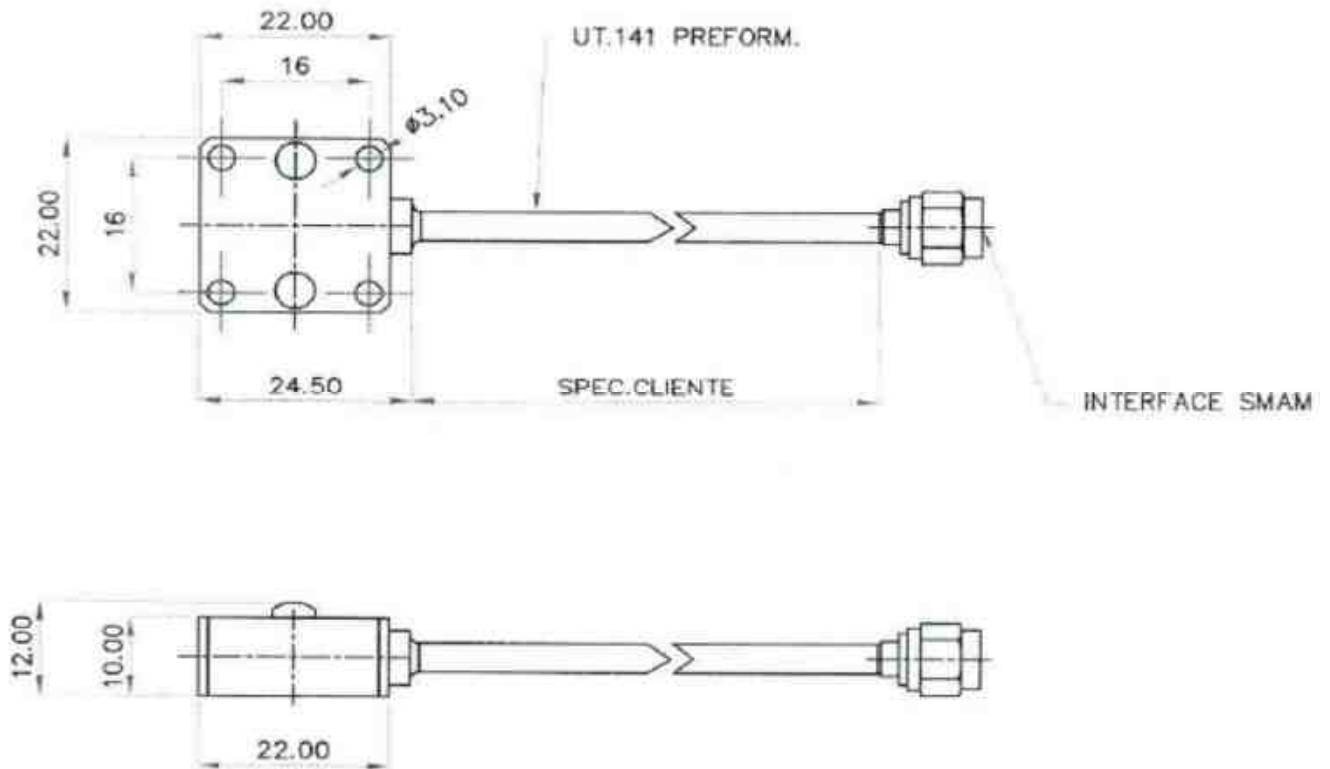


Fig.29

P/N C33205150141Flex

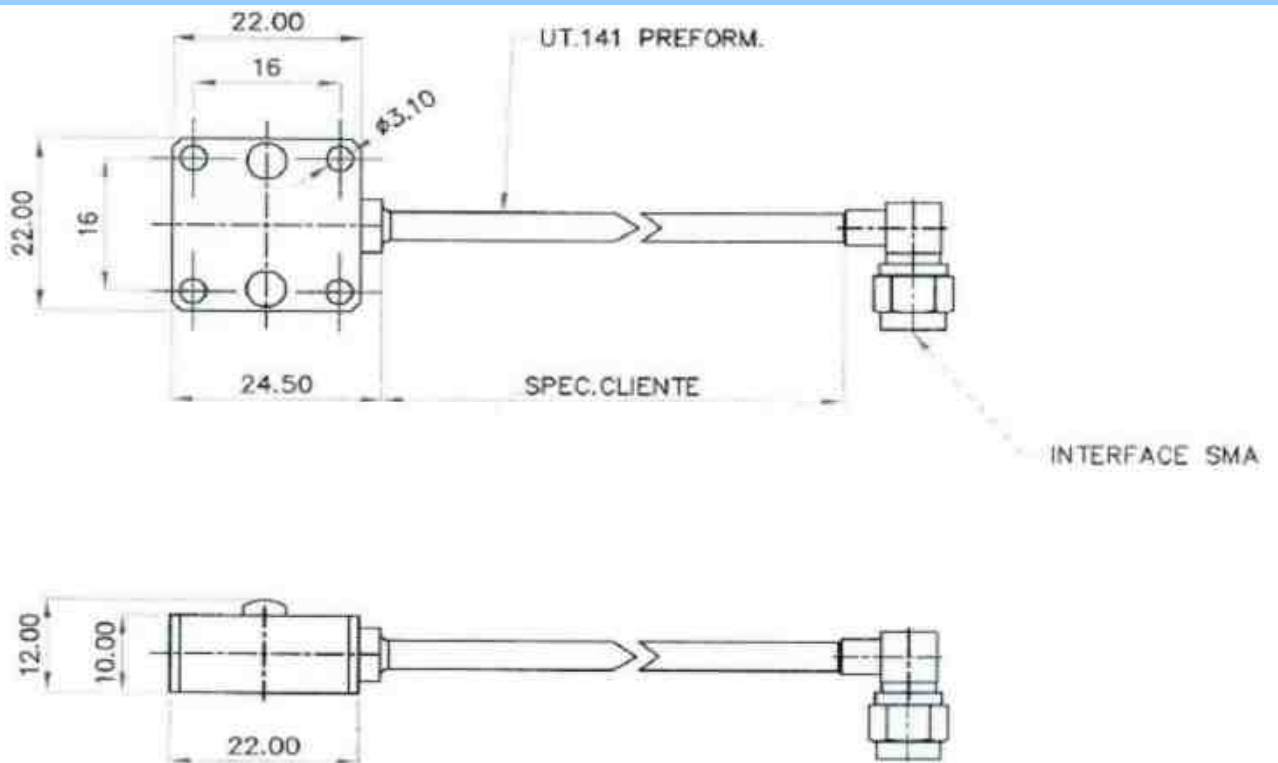


Fig.30

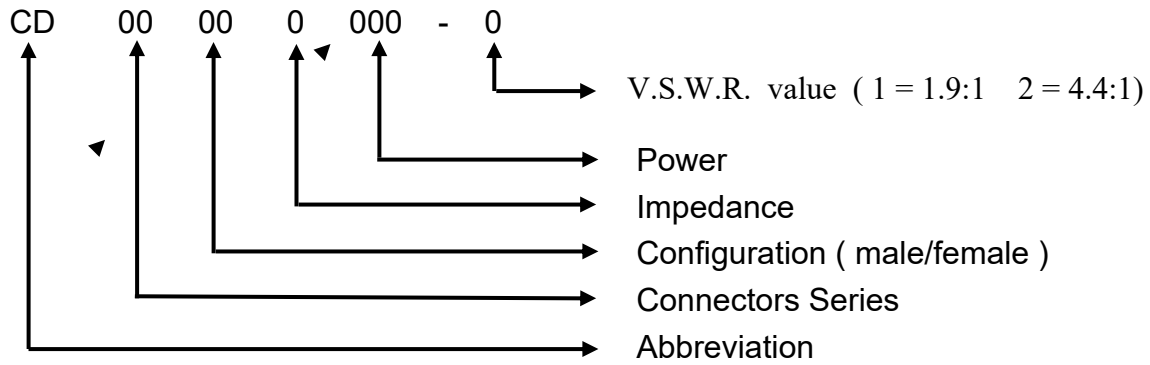
P/N C33245150141Flex

# MISMATCHED TERMINATIONS WITH V.S.W.R. PREDEFINED



Components described following up represent our standard production. On request is possible produce Mismatched Terminations with different data sheet.

# GENEX RF MISMATCHED TERMINATIONS PART NUMBER



Ex.: CD3020525-1 = Mismatched Termination NM 50Ω 25 watts - V.S.W.R. 1.9:1

## CONNECTORS SERIES

10	BNC	62	1.6/5.6
20	TNC	63	25/58
30	N	66	2.5/6
31	C	68	4.1/9.5
32	SC	69	4.6/16
33	SMA	70	DIN 7/16
35	SMC	73	EIA 3"1/8
40	UHF	74	FLANGIA DIN 7/16
42	1.0/2.3	75	EIA 1"5/8
50	HN	78	EIA 7/8"
60	LC	97	SMZ
61	1.6/5.6		

## MALE/FEMALE

10	FEMALE	20	MALE
----	--------	----	------

## IMPEDANCE

5	50Ω	7	75Ω
---	-----	---	-----

## POWER

01	1 WATT	50	50 WATTS
02	2 WATTS	60	60 WATTS
05	5 WATTS	80	80 WATTS
15	15 WATTS	150	150 WATTS
20	20 WATTS	250	250 WATTS
40	40 WATTS	1000	1000 WATTS

## ALPHABETICAL SUFFIX


LV	OF PRECISION	IX	INOX STEEL
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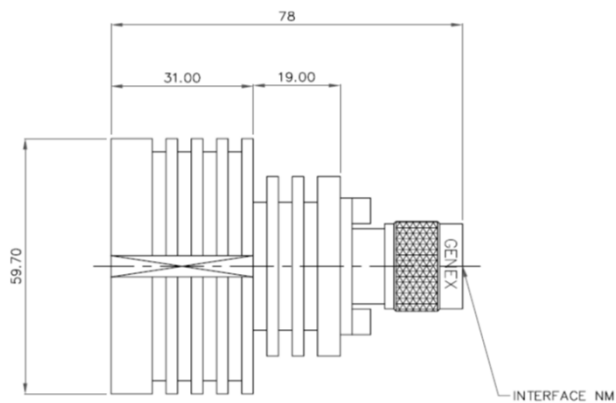
## MISMATCHED TERMINATIONS (V.S.W.R. PREDEFINED)

### N MALE CONNECTOR



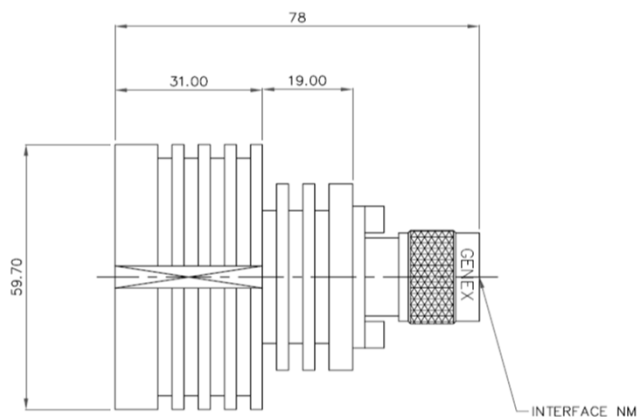
<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Power</i>	<i>OHM</i>	<i>V.S.W.R.</i>	<i>Fig.</i>
CD3020525-1	DC - 1200 MHz	25 W	50Ω	1.9:1	1
CD3020525-2 	DC - 1200 MHz	25 W	50Ω	4.4:1	2

# MISMATCHED TERMINATIONS 50Ω/75Ω DRAWINGS



**Fig.1**

**P/N CD3020525-1**



**P/N CD3020525-2**

**Fig.2**

**Fig.3**

**P/N**

**P/N**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

**Fig.6**

# WAVEGUIDES



# RECTANGULAR WAVEGUIDES STANDARD

## "I.E.C./E.I.A." SPEC

DENOMINATION		FREQUENCY RANGE	INTERNAL DIMENSIONS		EXTERNAL DIMENSIONS		WALL THICKNESS	STANDARD LENGTH	MATERIALS AVAILABLE							
IEC	EIA		MM	TOL. +/-	MM	TOL. +/-			MM	MM	COPPER	BRASS 70/30	BRASS 90/10	ALUMINIUM	ALUMIN ALLOY	INVAR
12	770	0,96-1,46	195.58 x 97.79		201.93 x 104.14		3,175							•		
14	650	1,14-1,73	165.10 x 82.55	0.20	169.16 x 86.61	0.20	2,030	4270	•		•		•			
18	510	1,45-2,20	129.54 x 64.77	0.18	133.60 x 68.83	0.20	2,030	4270	•		•		•			
22	430	1,72-2,61	109.22 x 54.61	0.14	113.28 x 58.67	0.15	2,030	4270	•	•	•		•			
26	340	2,70-3,30	86.36 x 43.18	0.11	90.42 x 47.24	0.13	2,030	4270	•	•	•		•			
32	284	2,60-3,95	72.14 x 34.04	0.10	76.20 x 38.10	0.10	2,030	3660	•	•	•	•	•			
40	229	3,22-4,90	58.17 x 29.083	0.076	61.42 x 32.33	0.076	1,625	3660	•	•	•	•	•	•	•	
48	187	3,94-5,99	47.55 x 22.149	0.064	50.80 x 25.40	0.076	1,625	3050	•	•	•	•	•	•	•	
58	159	4,64-7,05	40.39 x 20.193	0.051	43.64 x 23.44	0.051	1,625	3050	•	•	•	•	•	•	•	
70	137	5,38-8,18	34.85 x 15.799	0.046	38.10 x 19.05	0.051	1,625	3050	•	•	•	•	•	•	•	•
84	112	6,58-10,0	28.499 x 12.624	0.038	31.75 x 15.88	0.051	1,625	3050	•	•	•	•	•	•	•	•
100	90	8,20-12,5	22.86 x 10.16	0.025	25.40 x 12.70	0.025	1,270	3050	•	•	•	•	•	•	•	•
120	75	9,54-15,0	19.05 x 9.525	0.025	21.59 x 12.06	0.025	1,270	3050	•	•	•	•	•	•	•	
140	62	11,90-18,0	15.799 x 7.899	0.020	17.83 x 9.93	0.025	1,015	3050	•	•	•	•	•	•	•	•
180	51	14,50-22,0	12.954 x 6.477	0.020	14.99 x 8.51	0.025	1,015	3050	•	•	•	•	•	•	•	
220	42	17,6-26,7	10.668 x 4.318	0.020	12.70 x 6.35	0.025	1,015	2440	•	•	•	•	•	•	•	•
260	34	21,7-33,0	8.636 x 4.318	0.020	10.67 x 6.35	0.025	1,015	2440	•	•	•	•	•	•	•	
320	28	26,4-40,1	7.112 x 3.556	0.020	9.14 x 5.59	0.025	1,015	2440	•	•	•	•	•	•	•	•
400	22	33,0-50,1	5.690 x 2.845	0.020	7.72 x 4.88	0.025	1,015	1830	•	•	•	•	•		•	
500	19	39,3-59,7	4.775 x 2.388	0.020	6.81 x 4.42	0.025	1,015	1830	•		•				•	
620	15	49,9-75,8	3.759 x 1.880	0.020	5.79 x 3.91	0.025	1,015	1830	•		•				•	
740	12	60,5-92,0	3.099 x 1.549	0.020	5.13 x 3.58	0.025	1,015	1830	•		•				•	
900	10	73,8-112,0	2.540 x 1.270	0.020	4.57 x 3.30	0.025	1,015	1830	•						•	
1200	8	92,3-140,0	2.032 x 1.016	0.020	4.06 x 3.05	0.025	1,015	1830	•							

## FLANGE DENOMINATION CODES

Flange Type		IEC		EIA		MIL	
Rectangular	Pressure contact with sealing groove flange	PDR...	A	CPR...G	M	UG...	Q
	Pressure contact flat flange	UDR...	B	CPR...F	N	UG...	R
	Non pressure contact flange	UER...	C	CMR....	O	UG...	S
Round	Flat flange	UAR...	D	□□	□□	UG...	T
	Pressure contact with sealing groove flange	PAR...	E	□□	□□	□□	□□
	Sealing groove flange (CHOKE)	CAR...	F	□□	□□	UG...	V
Square	Flat flange	UBR...	G	□□	□□	UG...	X
	Pressure contact with sealing groove flange	PBR...	H	□□	□□	□□	□□
	Sealing groove flange (CHOKE)	CBR...	I	□□	□□	UG...	Z

↑  
For individualize Flanges add suffix on this table



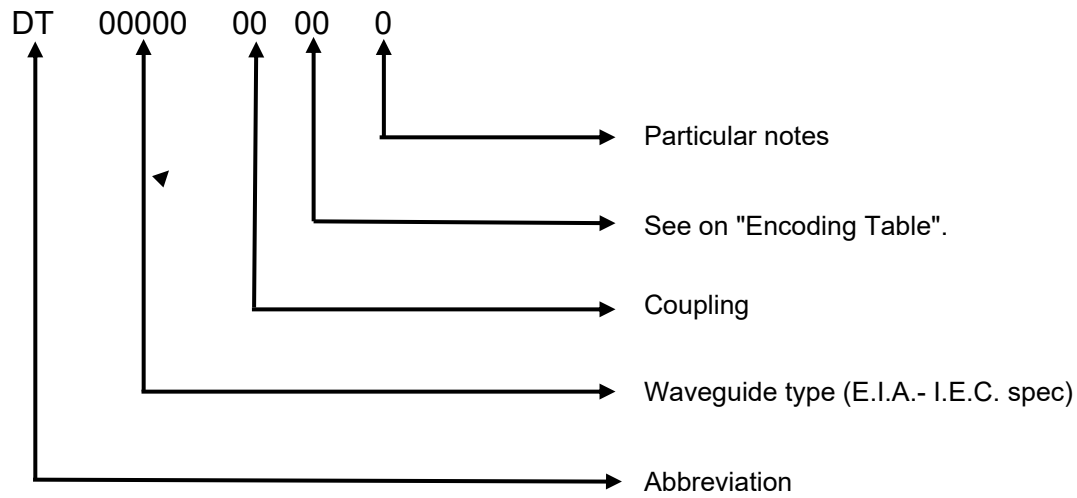


# WAVEGUIDE DIRECTIONAL COUPLERS



Components described following up represent our standard production. On request is possible produce Waveguide Directional Couplers with different data sheet.

## GENEX RF WAVEGUIDE DIRECTIONAL COUPLER PART NUMBER



Ex.: DTWR754000X = WR75 Directional Coupler, coupling 40 dB,  
PBR-UBR/PBR-UBR flanged, cross type

### PARTICULAR NOTES

X	CROSS	M	OF MEASURE
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### ENCODING TABLE

CODE	DESCRIPTION
00	PBR- UBR/PBR-UBR FULLY FLANGED
01	PBR-UBR FLANGED-SMA F CONNECTOR
02	UBR FULLY FLANGED
03	UBR / PBR AND PBR + LOAD WITHOUT CONNECTOR
04	CHOKE / PBR FLANGE-NF CONNECTOR
05	PBR FULLY FLANGED



## CROSS DIRECTIONAL COUPLERS



<i>P.N. GENEX RF</i>	<i>Frequency</i>	<i>Connector</i>	<i>Notes</i>	<i>Fig.</i>
DTWR28○○●●X	26,5-40 GHz	K f	WR 28	
DTWR42○○●●X	17,5-26,5 GHz	SMA f	WR 42	
DTWR51○○●●X	14,5-22 GHz	SMA f	WR 51	
DTWR625001X	11,9-18 GHz	SMA f	WR 62	1
DTWR62○○●●X	11,9-18 GHz	TNC f	WR 62	
DTWR62○○●●X	11,9-18 GHz	N f	WR 62	
DTWR755001X	9,5-15 GHz	SMA f	WR 75	2
DTWR75○○●●X	9,5-15 GHz	N f	WR 75	
DTWR751503X	9,5-15 GHz	N.A.	WR 75	5
DTWR755000X	9,5-15 GHz	N.A.	WR 75	4
DTWR90○○●●X	8,2-12,5 GHz	SMA f	WR 90	
DTWR90○○●●X	8,2-12,5 GHz	N f	WR 90	
DTWR90○○●●X	8,2-12,5 GHz	TNC f	WR 90	
DTWR1122001X	6,5-10 GHz	SMA f	WR 112	3
DTWR112○○●●X	6,5-10 GHz	N f	WR 112	
DTWR112○○●●X	6,5-10 GHz	TNC f	WR 112	
DTWR137○○●●X	5,4-8 GHz	SMA f	WR 137	
DTWR137○○●●X	5,4-8 GHz	N f	WR 137	
DTWR159○○●●X	4,5-7 GHz	N f	WR 159	
DTWR187○○●●X	4 - 6 GHz	N f	WR 187	
DTWR229○○●●X	3,2-5 GHz	N f	WR 229	

○○ = coupling value :15-20-30-40-50-60 dB

●● = connectors :SMA - TNC - N - K/ see flanges table

# DIRECTIONAL COUPLERS DRAWINGS

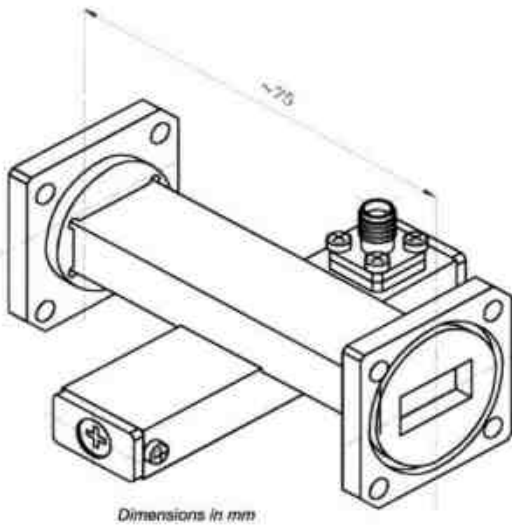
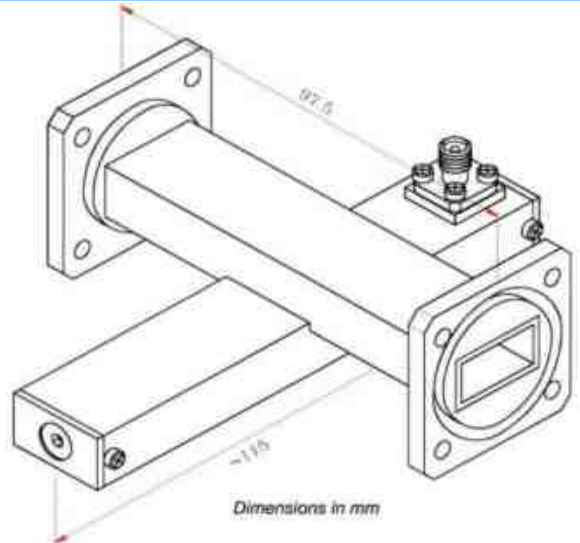


Fig.1

P/N DTWR625001X



P/N DTWR755001X

Fig.2

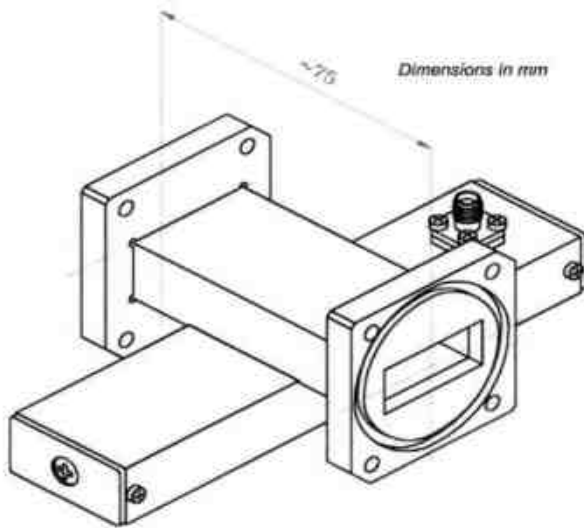
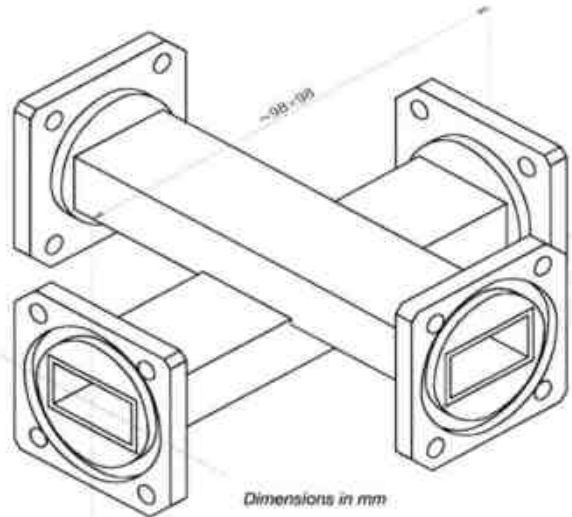


Fig.3

P/N DTWR1122001X



P/N DTWR755000X

Fig.4

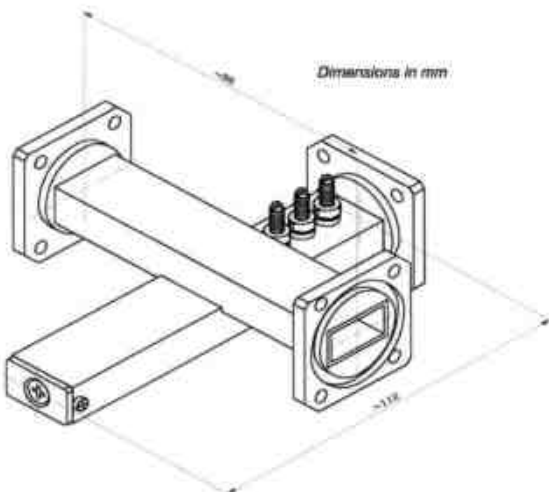


Fig.5

P/N DTWR751503X

P/N

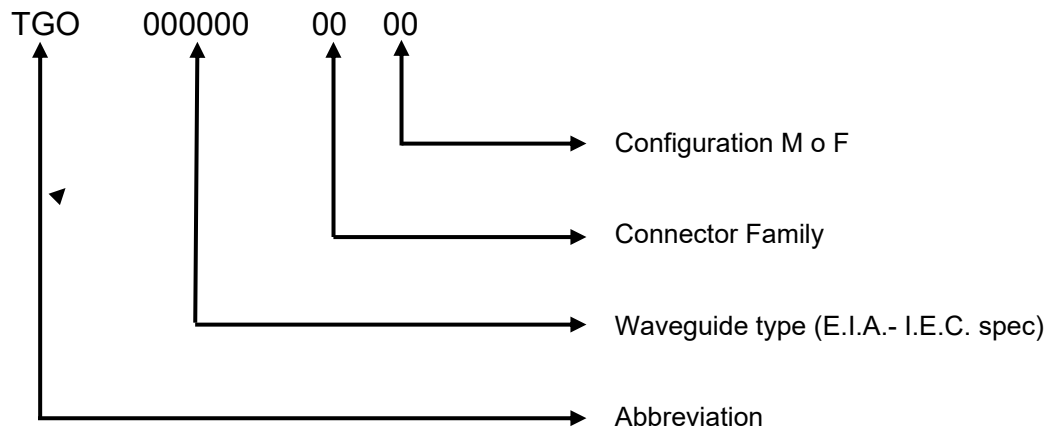
Fig.6

# WAVEGUIDE/CABLE ADAPTERS



Components described following up represent our standard production. On request is possible produce Waveguide/Cable Adapters with different data sheet.

# GENEX RF WAVEGUIDE/CABLE ADAPTERS PART NUMBER



Ex. : TGO UBR1003310 = Waveguide\Cable Adapters WR90 Flat square flange SMA F

## CONNECTORS SERIES


10	BNC	62	1.8/5.6
20	TNC	66	2.5/6
30	N	68	4.1/9.5
31	C	69	4.6/1.6
32	SC	70	DIN 7/16
33	SMA	75	EIA 1"5/8
40	UHF	90	K
42	1.0/2.3	95	PC3,5
50	HN		
61	1.6/5.6		

## MALE/FEMALE

10	FEMALE	20	MALE
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## WAVEGUIDE/CABLE ADAPTERS



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
TGOUBR3209010	WR28 (UBR320) - K f	Freq. 26,5 - 40,0 GHz	9
TGOUBR2609010	WR34 (UBR260) - K f	Freq. 21,7 - 33,0 GHz	8
TGOUBR2209010	WR42 (UBR220) - K f	Freq. 18,0 - 26,5 GHz	7
TGOUBR2209510	WR42 (UBR220) - PC3.5 f	Freq. 18,0 - 26,5 GHz	
TGOUBR2209520	WR42 (UBR220) - PC3.5 m	Freq. 18,0 - 26,5 GHz	
TGOUBR2209510LV	WR42 (UBR220) - PC3.5 f of prec.	Freq. 18,0 - 26,5 GHz	18
TGOUBR2209520LV	WR42 (UBR220) - PC3.5 m of prec.	Freq. 18,0 - 26,5 GHz	16
TGOUDR1803310	WR51 (UDR180) - SMA f	Freq. 14,5 - 22,0 GHz	13
TGOUBR1403310	WR62 (UBR140) - SMA f	Freq. 11,9 - 18,0 GHz	6
TGOCBR1402010	WR62 (CBR140) - TNC f	Freq. 11,9 - 18,0 GHz	
TGOUBR1403010	WR62 (UBR140) - N f	Freq. 11,9 - 18,0 GHz	5
TGOUBR1203310LV	WR75 (UBR120) - SMA f	Freq. 9,5 - 15,0 GHz	4
TGOUBR1203010 	WR75 (UBR120) - N f	Freq. 9,5 - 15,0 GHz	3
TGOCBR1003310	WR90 (CBR100) - SMA f	Freq. 8,2 - 12,5 GHz	
TGOUBR1003010	WR90 (UBR100) - N f	Freq. 8,2 - 12,5 GHz	2
TGOCBR1003010	WR90 (CBR100) - N f	Freq. 8,2 - 12,5 GHz	
TGOUDR1003010	WR90 (UDR100) - N f	Freq. 8,2 - 12,4 GHz	12
TGOUBR1003310	WR90 (UBR100) - SMA f	Freq. 8,2 - 12,5 GHz	19
TGOUBR843010	WR112 (UBR84) - N f	Freq. 6,5 - 10 GHz	1
TGOUDR703310	WR137 (UDR70) - SMA f	Freq. 5,4 - 8,0 GHz	
TGO CPR703010	WR137 (CPR70) - N f	Freq. 5,4 - 8,0 GHz	11
TGOPDR703010	WR137 (PDR70) - N f	Freq. 5,5 - 8,2 GHz	14
TGOUDR703010	WR137 (UDR70) - N f	Freq. 5,5 - 8,2 GHz	17
TGOUER703010	WR137 (UER70) - N f	Freq. 5,5 - 8,2 GHz	
TGOUER703020	WR137 (UER70) - N m	Freq. 5,5 - 8,2 GHz	
TGOUDR703310CM	WR137 (UDR70) - SMA f <small>ground cont.</small>	Freq. 5,4 - 8,0 GHz	15
TGOUDR583010	WR159 (UDR58) - N f	Freq. 4,5 - 7,0 GHz	
TGOUDR583310	WR159 (UDR58) - SMA f	Freq. 4,5 - 7,0 GHz	
TGOUDR483010	WR187 (UDR48) - N f	Freq. 3,9 - 5,99 GHz	10
TGOUER403010	WR229 (UER40) - N f	Freq. 3,2 - 5,0 GHz	
TGOUDR403010	WR229 (UDR40) - N f	Freq. 3,2 - 5,0 GHz	
TGOUAR323010	WR284 (UAR32) - N f	Freq. 2,6 - 3,95 GHz	

## FOLLOW WAVEGUIDE/CABLE ADAPTERS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
TGOUDR323010	WR284 (UDR32) - N f	Freq. 2,6 - 3,95 GHz	
TGOUDR263010	WR340 (UDR26) - N f	Freq. 2,7 - 3,3 GHz	
TGOUDR227500	WR430 (UDR22) - EIA 1" 5/8	Freq. 1,7 - 2,61 GHz	
TGOUDR183010	WR510 (UDR18) - N f	Freq. 1,45 - 2,2 GHz	
TGOUDR143010	WR650 (UDR14) - N f	Freq. 1,14 - 1,73 GHz	



# WAVEGUIDE/CABLE ADAPTERS DRAWINGS

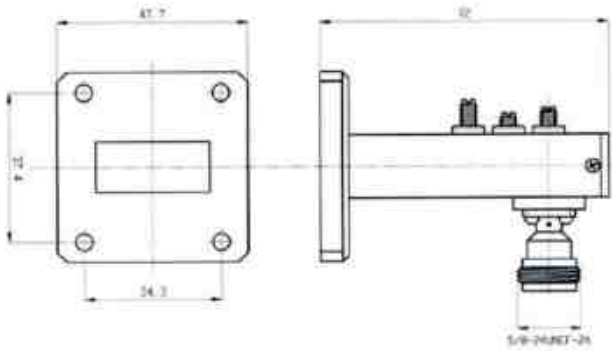
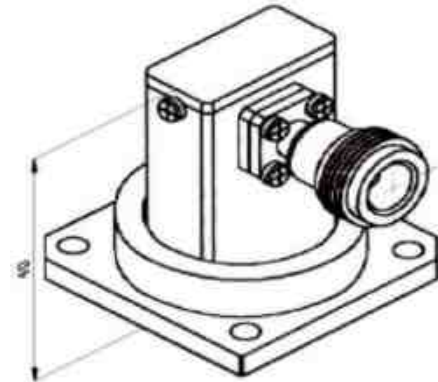


Fig.1

P/N TGOUBR843010



P/N TGOUBR1003010

Fig.2

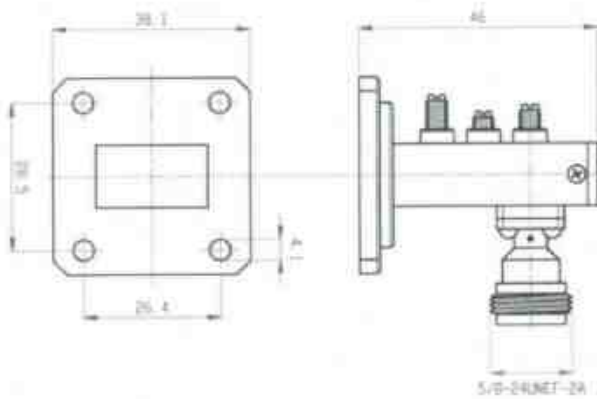
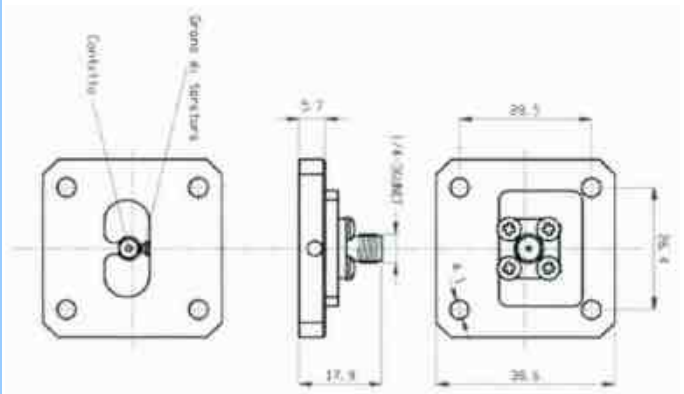


Fig.3

P/N TGOUBR1203010



P/N TGOUBR1203310LV

Fig.4

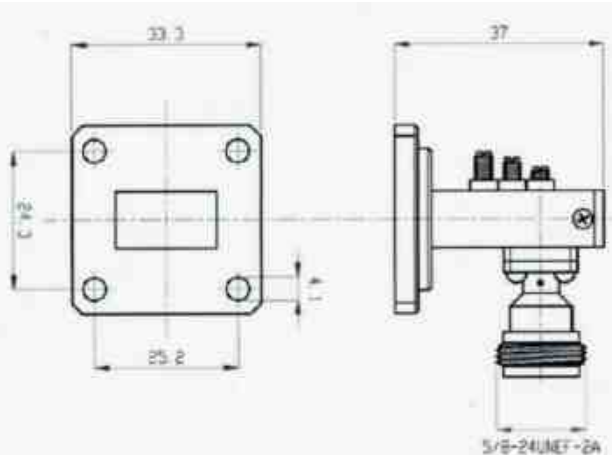
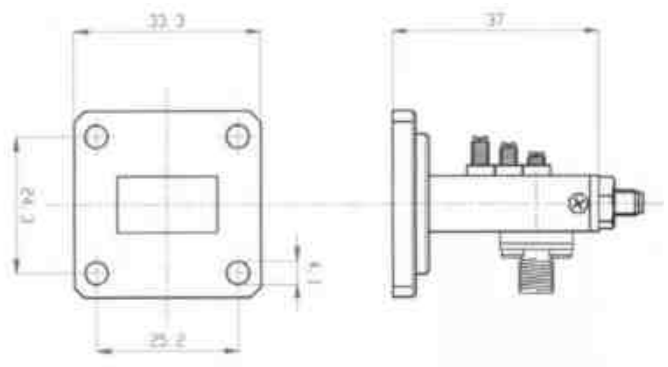


Fig.5

P/N TGOUBR1403010



P/N TGOUBR1403310

Fig.6

# WAVEGUIDE/CABLE ADAPTERS DRAWINGS

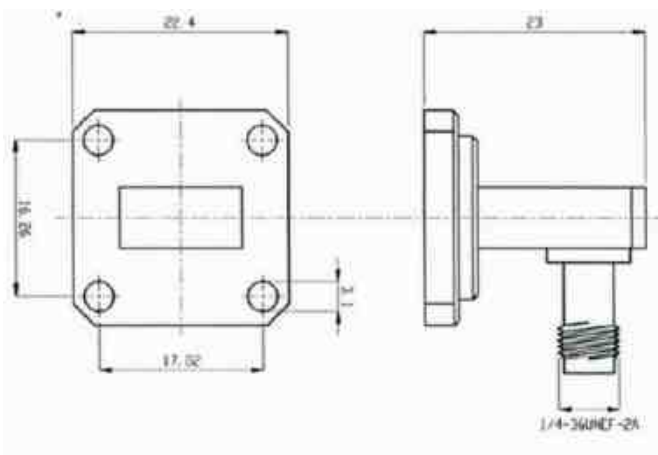
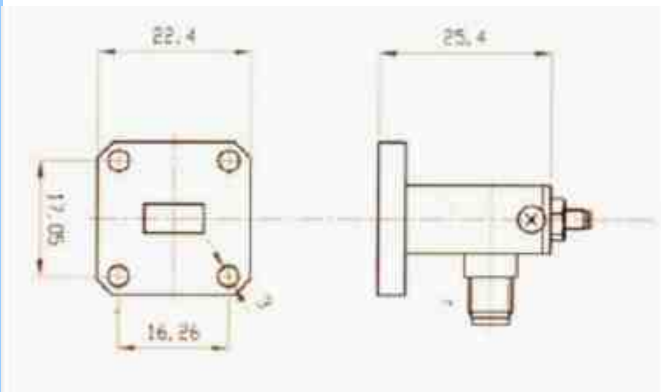


Fig.7 P/N TGOUBR2209010



P/N TGOUBR2609010 Fig.8

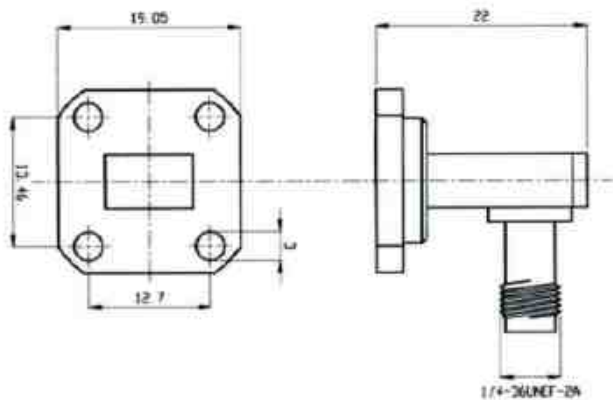
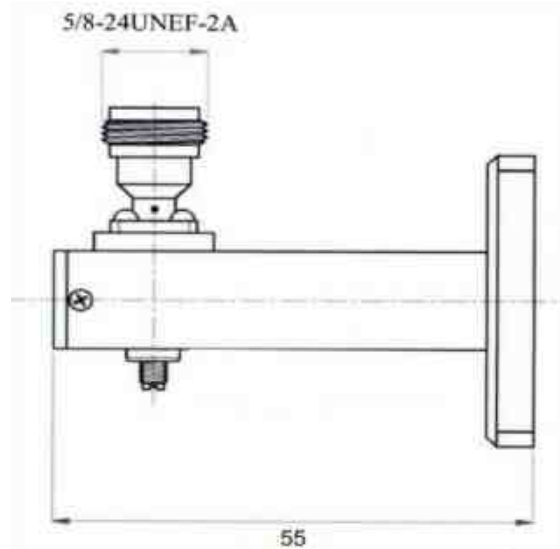


Fig.9 P/N TGOUBR3209010



P/N TGOUDR483010 Fig.10

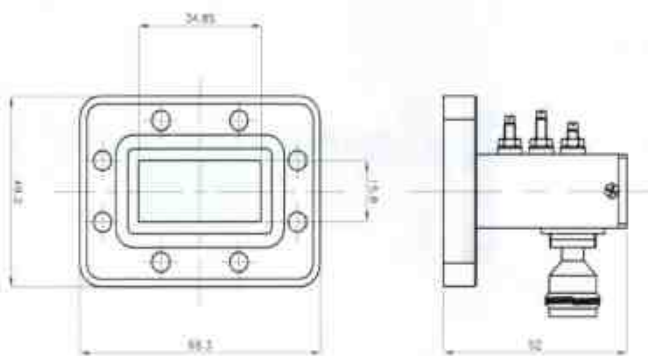
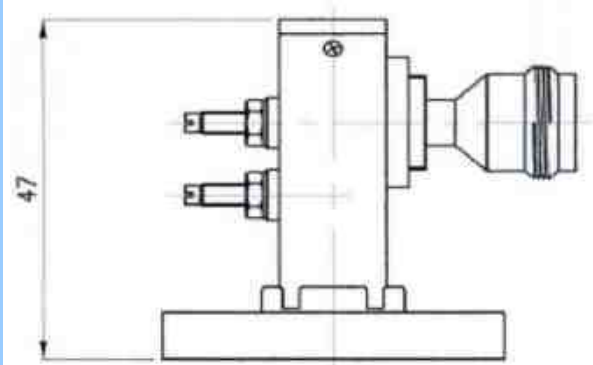


Fig.11 P/N TGO CPR703010



P/N TGOUDR1003010 Fig.12



# WAVEGUIDE/CABLE ADAPTERS DRAWINGS

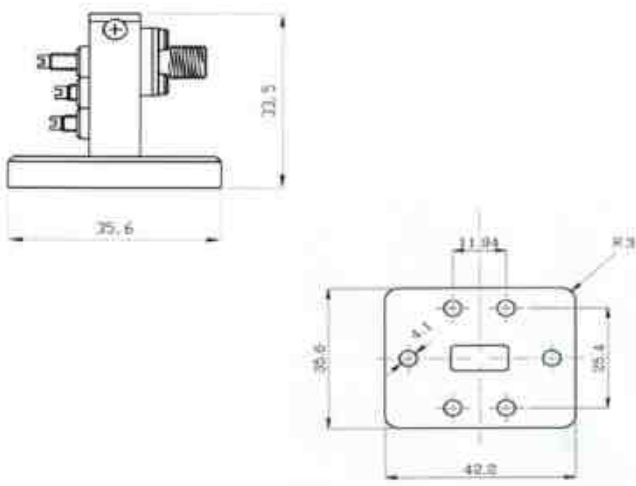
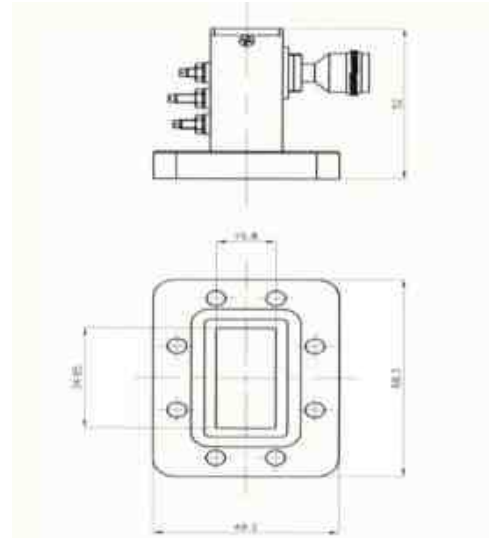


Fig.13

P/N TGOUDR1803310



P/N TGO PDR703010

Fig.14

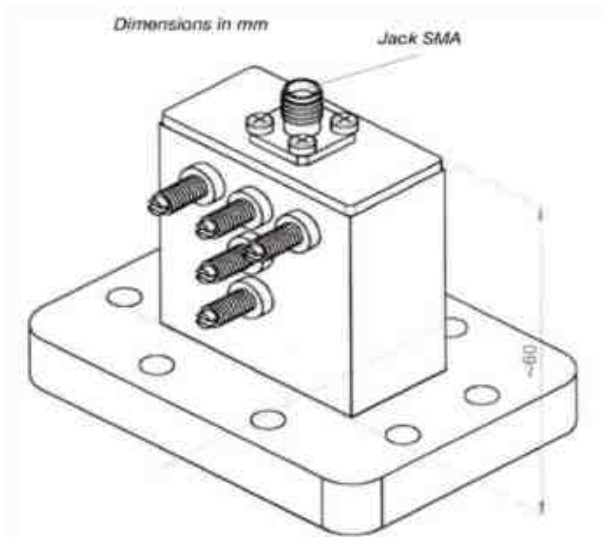
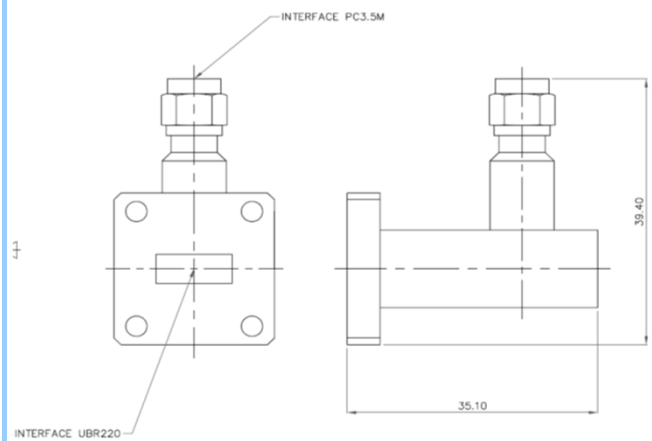


Fig.15

P/N



P/N TGOUBR2209520LV

Fig.16

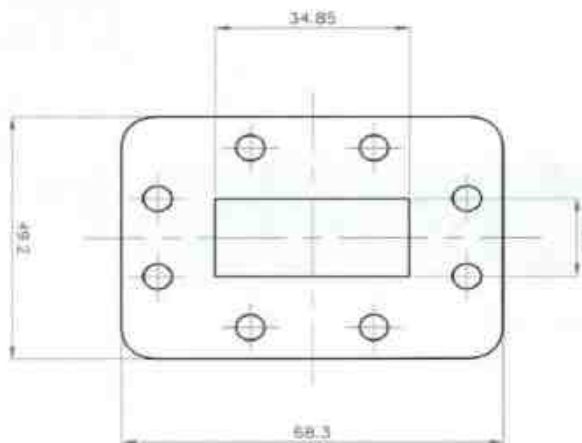
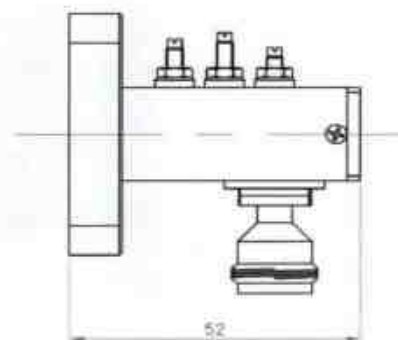
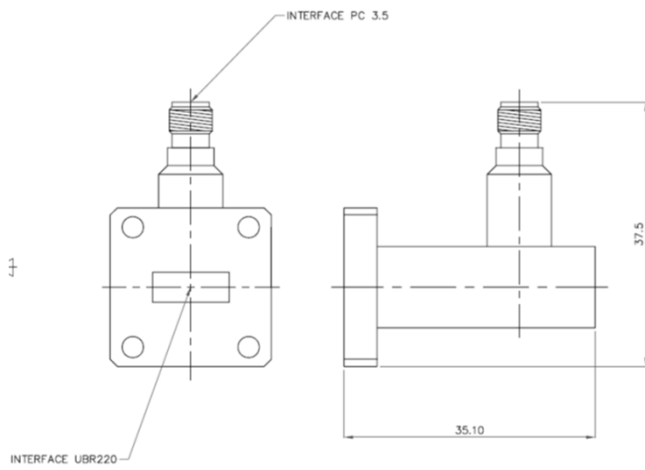


Fig.17



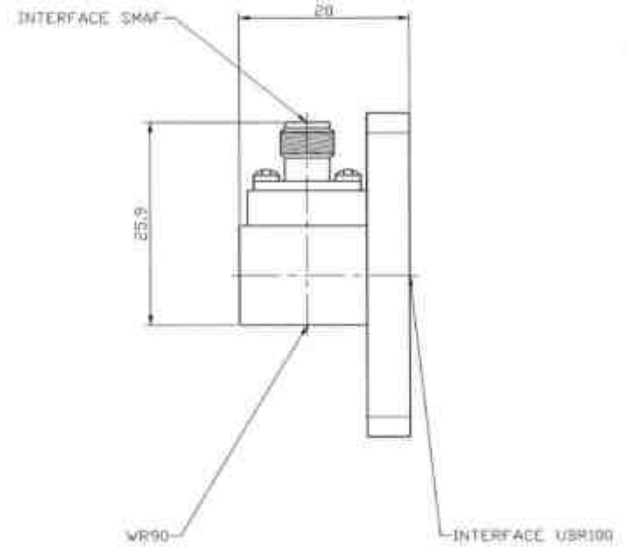
P/N TGOUDR703010

# WAVEGUIDE/CABLE ADAPTERS DRAWINGS



**Fig.18**

**P/N TGOUBR2209510LV**



**P/N TGOUBR1003310**

**Fig.19**

**Fig.20**

**P/N**

**P/N**

**Fig.21**

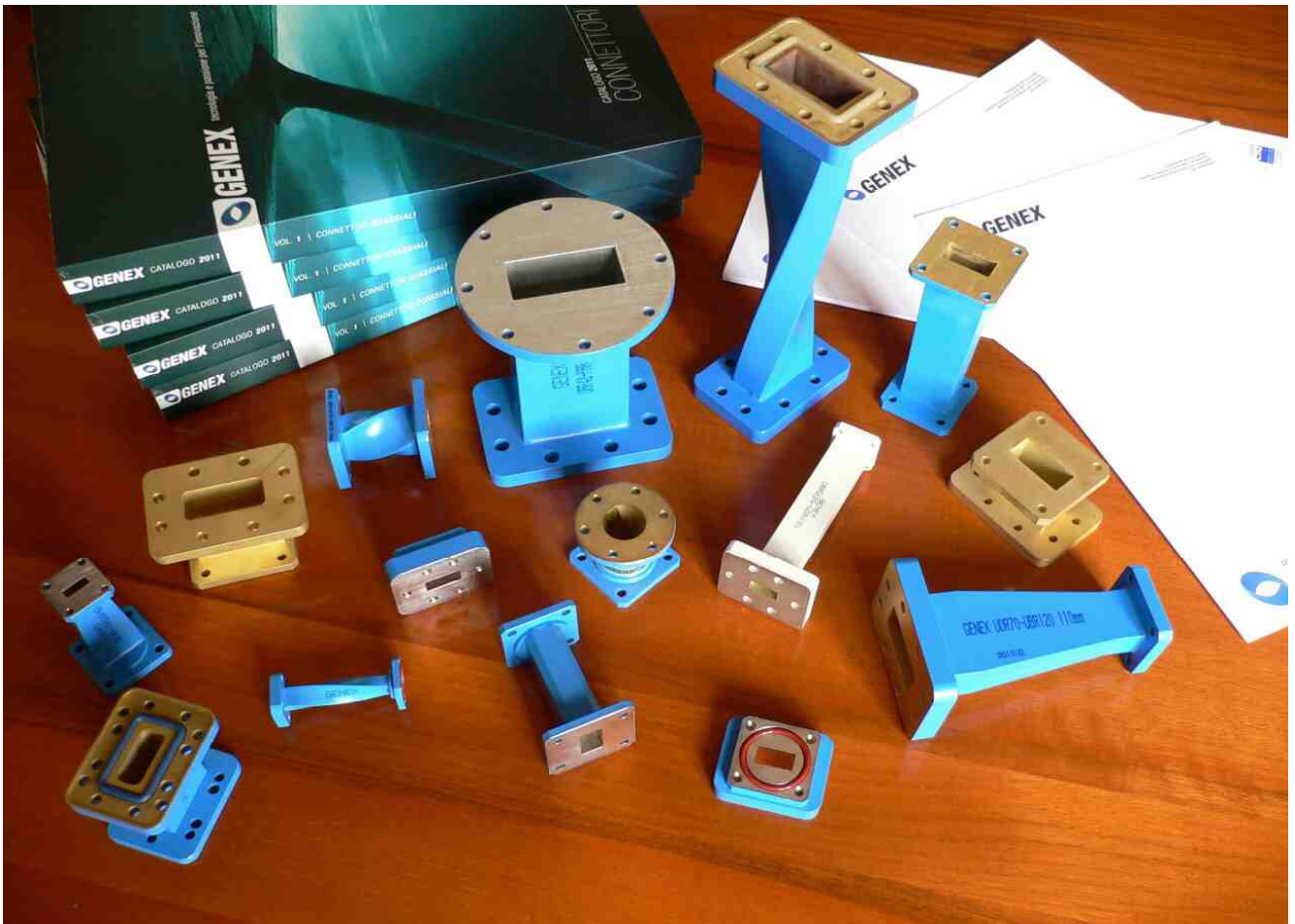
**Fig.22**

**P/N**

**P/N**

**Fig.23**

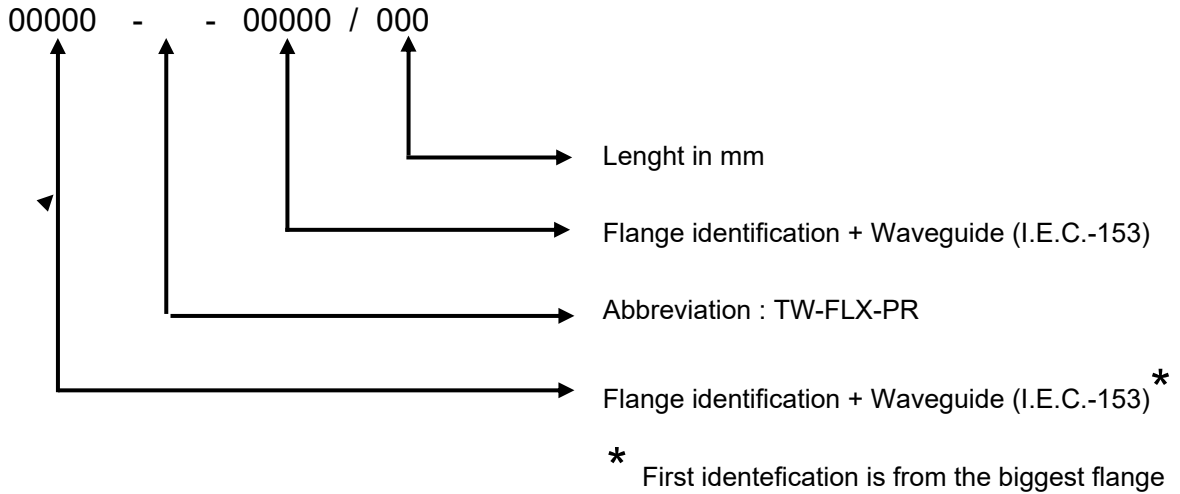
# WAVEGUIDE ADAPTERS AND JUNCTIONS



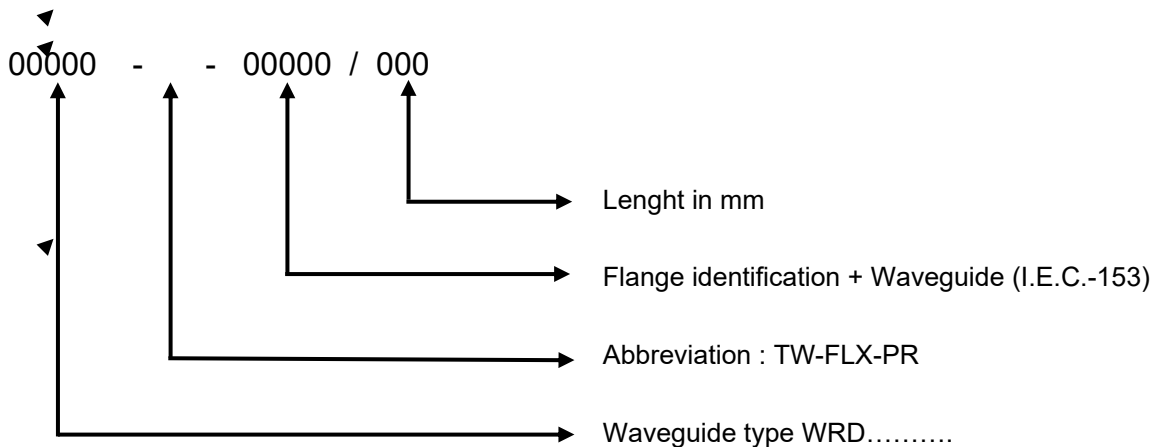
Components described following up represent our standard production. On request is possible produce Waveguide Adapters And Junctions with different data sheet.

# GENEX RF WAVEGUIDE ADAPTERS AND JUNCTION PART NUMBER

## GUIDE TO GUIDE ADAPTERS



## DOUBLE RIDGE ADAPTERS



**NOTE:**

For TWIST, FLEX or PRESSURIZABLE, there is abbreviation between two identifications as in table.

ABBREVIATION	
TW	Adpters TWIST
FLX	Adapters FLEX
PR	Pressurized adapters

## ADAPTERS GUIDE TO GUIDE

### From WR 42 to....

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR220-PBR180	WR42 to WR51 flange square planar square flange seal with pressurized	L = 100 mm	11
UBR220-PDR180	from square planar flange WR42 WR51 rectangular flange seal with pressurized	L = 100 mm	12
UBR220-UBR180	WR42 to WR51 flange to flange square planar square planar	L = 100 mm	1
UBR220-UDR180	from square planar flange WR42 WR51 rectangular flange flat pressurizable	L = 100 mm	2
UBR220-UBR140	WR42 to WR62 flange to flange square planar square planar		

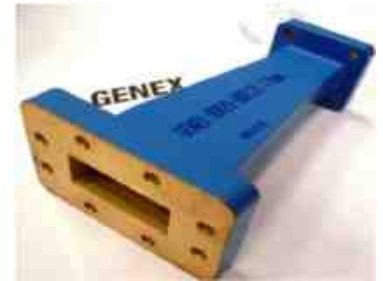
### From WR 51 to....


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR220-PBR180	WR51 to square flange pressurizable with a WR42 flange gasket square planar	L = 100 mm	11
UBR220-PDR180	from WR51 rectangular flange pressurizable with a WR42 flange gasket square planar	L = 100 mm	12
UBR220-UBR180	WR51 to WR42 flange to flange square planar square planar	L = 100 mm	1
UBR220-UDR180	from WR51 to WR42 rectangular flange flat pressurized plane square flange	L = 100 mm	2

## From WR 62 to....

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR120-UBR140	WR62 to WR75 flange to flange square planar square planar	L = 60 mm	14
UBR140-UDR180	from square planar flange WR62 WR51 rectangular flange flat pressurizable	L = 63 mm	15
UBR220-UBR140	WR62 to WR42 flange to flange square planar square planar		

## From WR 75 to....




<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR100-UBR120	WR75 to WR90 flange to flange square planar square planar	L = 105 mm	13
UDR120-UDR100	WR75 to WR90 rectangular flange to flange flat pressurized rectangular flat pressurizable		
UDR70-UBR120	 from WR75 to WR137 flange square flange flat rectangular flat pressurizable		
UBR120-UBR140	WR75 to WR62 flange to flange square planar square planar	L = 60 mm	14

## From WR 90 to....

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR100-UBR120	WR90 to WR75 flange to flange square planar square planar	L = 105 mm	13
UDR120-UDR100	WR90 to WR75 rectangular flange to flange flat pressurized rectangular flat pressurizable		

From WR 137 to....



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UER58-UDR70	from WR137 WR159 rectangular flange to flange rectangular flat pressurizable not pressurizable		
UDR70-UBR120 	from WR137 to WR75 rectangular flange flat pressurized plane square flange		

From WR 159 to....

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UER58-UDR70	from WR159 WR137 rectangular flange to flange not pressurized rectangular flat pressurizable		

## DOUBLE-RIDGE ADAPTERS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
WRD650-CBR100	Double-Ridge WRD650-WR90: from pressurized with square flange gasket flange gasket square (CHOKE)	L = 65 mm	
WRD650-CBR120	Double-Ridge WRD650-WR75: from pressurized with square flange gasket flange gasket square (CHOKE)	L = 52 mm	
WRD650-CBR84	Double-Ridge WRD650-WR112: from pressurized with square flange gasket flange gasket square (CHOKE)	L = 80 mm	
WRD750-CBR100	Double-Ridge WRD750-WR90: from pressurized with square flange gasket flange gasket square (CHOKE)	L = 60 mm	
WRD750-UBR92	Double-Ridge WRD750-WR102: from pressurized with square flange gasket flange square-planar	L = 65 mm	
WRD750-UBR180	Double-Ridge WRD750-WR51: from pressurized with square flange gasket flange square-planar	L = 65,5 mm	16
WRD750-UBR100	Double-Ridge WRD750-WR90: from pressurized with square flange gasket flange square-planar	L = 70 mm	
WRD750-UBR120	Double-Ridge WRD750-WR75: from pressurized with square flange gasket flange square-planar	L = 60 mm	



## FLANGE ADAPTERS FROM ... FLANGE ...

### FLANGE ADAPTER WR28


<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UAR320-UBR320	round flange with flat square flange		

### FLANGE ADAPTER WR51

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UDR180-UBR180	from rectangular flange pressurized plane square flange plane		

### FLANGE ADAPTER WR62



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PDR140-UBR140	be pressurized with a rectangular flange gasket flange square planar		
PDR140-PBR140	be pressurized with a rectangular flange gasket flange square planar		
UDR140-PBR140	from rectangular flange pressurized plane square flange seal with pressurized		
PBR140-UBR140	be pressurized with square flange gasket flange square planar		
UDR140-UBR140 	from rectangular flange pressurized plane square flange plane		

## FLANGE ADAPTER WR75

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UDR120-PBR120	from rectangular flange pressurized plane square flange seal with pressurized		
UAR120-UBR120	round flange with flat flat square flange		
UDR120-UBR120	from rectangular flange pressurized plane square flange plane		
PDR120-UDR120	be pressurized with a rectangular flange gasket flange pressurized rectangular flat		
PBR120-UBR120	be pressurized with square flange gasket flange square planar		

## FLANGE ADAPTER WR90

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PDR100-UBR100	be pressurized with a rectangular flange gasket flange square planar		

## FLANGE ADAPTER WR112

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PDR84-UBR84	be pressurized with a rectangular flange gasket flange square planar		

## FLANGE ADAPTER WR137

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UAR70-UER70	round flange with flat rectangular flange is not pressurized		

## FLANGE ADAPTER WR187

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CAR48-PDR48	from round flange with gasket (choke) in pressurized rectangular flange with gasket		

## **QUICK FLANGES**

## SQUARE FLANGE WR75

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
RPBR120-UBR120	be pressurized with square flange gasket flange square planar		

# WAVEGUIDE JUNCTIONS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PBR320-PBR320/5	WR28: from pressurized with square flange gasket flange gasket square pressurizable with	L= 5 mm	
PBR220-PBR220/5	WR42: from pressurized with square flange gasket flange gasket square pressurizable with	L= 5 mm	
PBR120-PBR120/6	WR75: from pressurized with square flange gasket flange gasket square pressurizable with	L= 6 mm	5
UBR120-UBR120/6	WR75: square flange with flat flat square flange	L= 6 mm	4
UBR120-UDR120/50	WR75: square flange with flat flange pressurized rectangular flat	L=50 mm	6
PBR100-PBR100/6	WR90: from pressurized with square flange gasket flange gasket square pressurizable with	L= 6 mm	
PBR84-PBR84/6	WR112: from pressurized with square flange gasket flange gasket square pressurizable with	L= 6 mm	
UBR84-UBR84/6	WR112: square flange with flat flat square flange	L= 6 mm	9
UDR84-PBR84/35	WR112: from flat rectangular flange pressurizable pressurizable square flange with gasket	L= 35 mm	
UDR84-UDR84/65	WR112: from flat rectangular flange pressurized pressurized rectangular flat flange	L= 65 mm	
UDR84-PBR84/100	WR112: from flat rectangular flange pressurizable pressurizable square flange with gasket	L= 100 mm	8
UDR84-PBR84	WR112: from flat rectangular flange pressurizable pressurizable square flange with gasket		
UDR70-UDR70/10	WR137: from flat rectangular flange pressurized pressurized rectangular flat flange	L= 10 mm	7

## WAVEGUIDE PRESSURIZABLE JUNCTIONS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PBR140-PR-UBR140/62	WR62 pressurizable: from pressurized with square flange gasket flange square-planar	L= 62 mm	
PBR120-PR-UBR120/16	WR75 pressurizable: from pressurized with square flange gasket flange square-planar	L= 16 mm	
PBR120-PR-UBR120/62	WR75 pressurizable: from pressurized with square flange gasket flange square-planar	L= 62 mm	10

## WAVEGUIDE FLEX JUNCTIONS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PBR320-FLX-UBR320/500	WR28 Flex: from pressurized with square flange gasket flange square-planar	L= 500 mm	
PBR140-FLX-UBR140/100	WR62 Flex: from pressurized with square flange gasket flange square-planar	L= 100 mm	
PBR140-FLX-UBR140/300	WR62 Flex: from pressurized with square flange gasket flange square-planar	L= 300 mm	
UBR120-FLX-PBR120	Taken waveguide WR75 Flex: flat square flange - square flange with pressurized seal (loss)		
PBR120-FLX-UBR120/500	WR75 Flex: from pressurized with square flange gasket flange square-planar	L= 500 mm	
PBR120-FLX-UBR120/604	WR75 Flex: from pressurized with square flange gasket flange square-planar	L= 604 mm	
PDR70-FLX-PDR70/600	WR137 Flex: from pressurizable with a rectangular flange gasket flange gasket with a rectangular pressurizable	L= 600 mm	

## WAVEGUIDE TWIST JUNCTIONS (CONTINUES)



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CBR320-TW-UBR320/55	Twist Section WR28 waveguide: from square flange gasket (choke square flange plane)	L= 55 mm	
PBR320-TW-UBR320/54	Twist Section WR28: from pressurized with square flange gasket flange square-planar	L= 54 mm	
UBR220-TW-45°-UBR220/5	Twist Section WR42 waveguide 45 °: flat square flange square flange plane	L= 5 mm	
PBR220-TW-UBR220/85	Twist Section WR42 waveguide: from pressurized with square flange gasket flange square-planar	L= 85 mm	
PDR180-TW-UDR180/45	Twist Section WR51 waveguide: rectangular flange to be pressurized with sealing flange pressurized rectangular flat	L= 45 mm	
PDR180-TW-UDR180/200	Twist Section WR51 waveguide: rectangular flange to be pressurized with sealing flange pressurized rectangular flat	L= 200 mm	
UBR140-TW-30°-UBR140/4	Twist Section WR62 waveguide 30 °: flat square flange square flange plane	L= 4 mm	
UBR140-TW-UBR140/100	Twist Section WR62 waveguide: square flange with flat flat square flange	L= 100 mm	
PBR140-TW-UBR140/150	Twist Section WR62 waveguide to be pressurized with square flange gasket flange square-planar	L= 150 mm	
UBR120-TW-UBR120/45	Twist Section WR75 waveguide: square flange with flat flat square flange	L= 45 mm	
PBR120-TW-UBR120/150	Twist Section WR75 waveguide: from pressurized with square flange gasket flange square-planar	L= 150 mm	



# WAVEGUIDE TWIST JUNCTIONS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CBR100-TW-UBR100/95	Twist Section WR90 waveguide: from square flange gasket (CHOKE) square flange plane	L= 95 mm	
PDR100-TW-UDR100/100	Twist Section WR90 waveguide: rectangular flange to be pressurized with sealing flange pressurized rectangular flat	L= 100 mm	
PBR84-TW-PBR84/12	Taken Twist WR112 waveguide (cross) by pressurized with square flange gasket flange gasket square pressurizable with	L= 12 mm	
CBR84-TW-UBR84/800	Taken WR112 waveguide Twist: from square flange gasket (choke square flange plane	L= 800 mm	
UER70-TW-UER70/150	Taken Twist WR137 waveguide: rectangular flange is not pressurized by a rectangular flange is not pressurized	L= 150 mm	
PAR70-TW-UAR70/150	Taken WR137 waveguide Twist: from pressurizable with round flange gasket flange round flat	L= 150 mm	
PDR70-TW-UDR70/200	Taken WR137 waveguide Twist: from pressurizable with a rectangular flange gasket flange pressurized rectangular flat	L= 200 mm	
CAR48-TW-UAR48/200	Taken WR187 waveguide Twist: from round flange with gasket (Choke) Round flat flange	L= 200 mm	
PDR40-TW-UDR40/250	Taken WR229 waveguide Twist: from pressurizable with a rectangular flange gasket flange pressurized rectangular flat	L= 250 mm	
UDR32-TW-UDR32/500	Taken Twist WR284 waveguide: rectangular flange to flange pressurizable flat rectangular plane pressurizable	L= 500 mm	

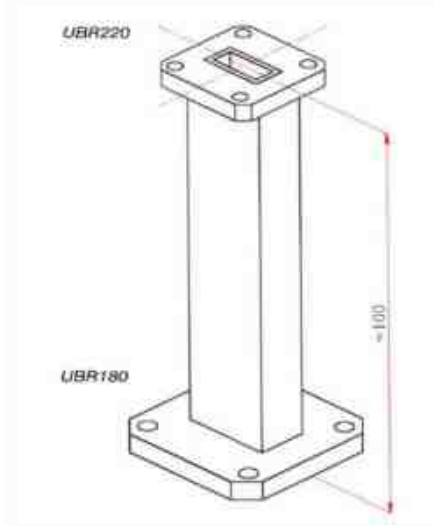
## WAVEGUIDE FLEX/TWIST JUNCTIONS



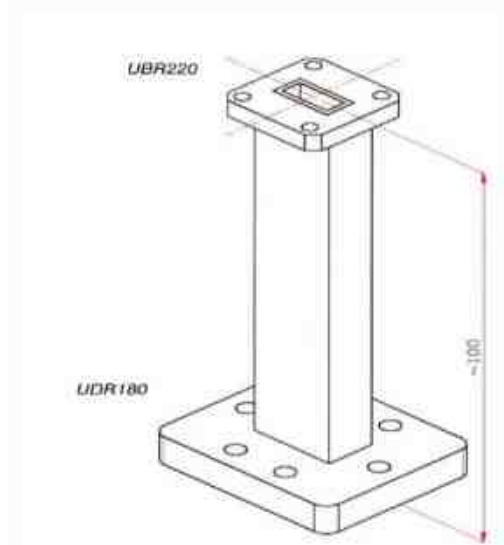
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PBR320-FLX-TW-PBR320/400	Taken waveguide WR28 Flex-Twist: from pressurized with square flange gasket flange gasket square pressurizable with	L = 400 mm	
PBR320-FLX-TW-PBR320/800	Taken waveguide WR28 Flex-Twist: 2 sections + shim from pressurized with square flange gasket flange gasket square pressurizable with	L = 800 mm	
PBR220-FLX-TW-UBR220/200	Taken waveguide WR42 Flex-Twist: from pressurized with square flange gasket flange square-planar	L = 200 mm	
PBR220-FLX-TW-PBR220/750	Taken waveguide WR42 Flex-Twist: from pressurized with square flange gasket flange gasket square pressurizable with	L = 750 mm	



# WAVEGUIDE ADAPTERS AND JUNCTIONS DRAWINGS



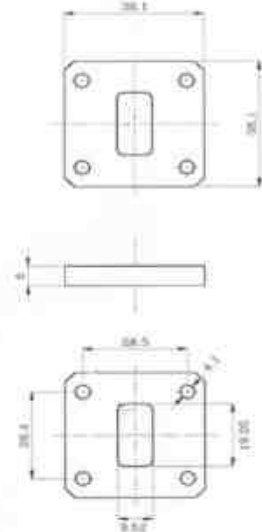
**Fig.1** P/N UBR220-UBR180



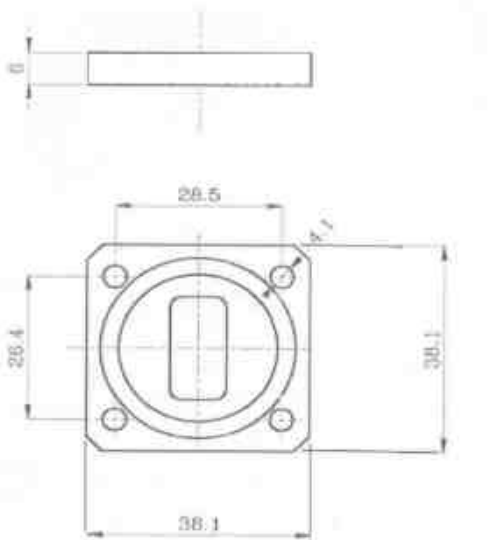
**Fig.2** P/N UBR220-UDR180



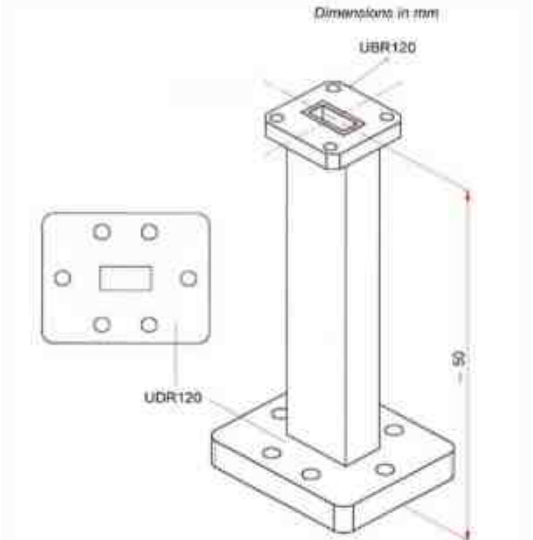
**Fig.3** P/N



**Fig.4** P/N UBR120-UBR120/6



**Fig.5** P/N PBR120-PBR120/6



**Fig.6** P/N UBR120-UDR120/50

# WAVEGUIDE ADAPTERS AND JUNCTIONS DRAWINGS

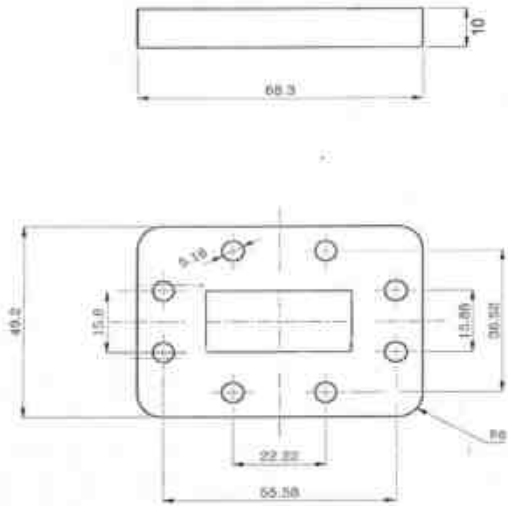
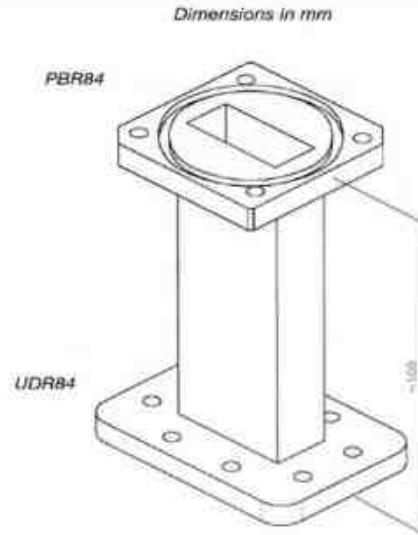


Fig.7 P/N UDR70-UDR70/10



P/N UDR84-PBR84/100

Fig.8

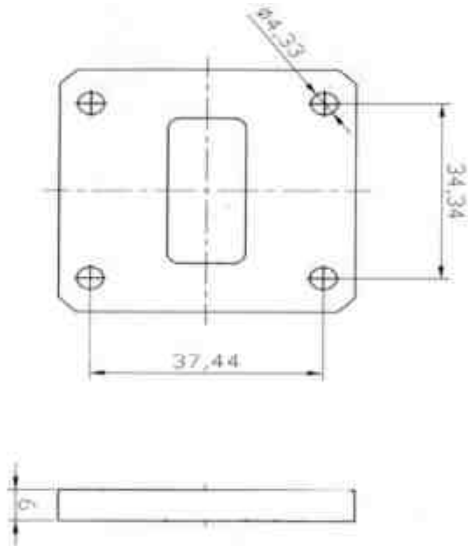
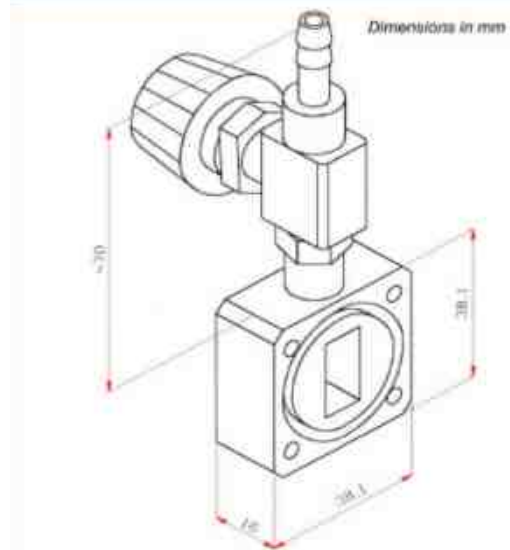


Fig.9 P/N UBR84-UBR84/6



P/N PBR120-PR-UBR120/62

Fig.10

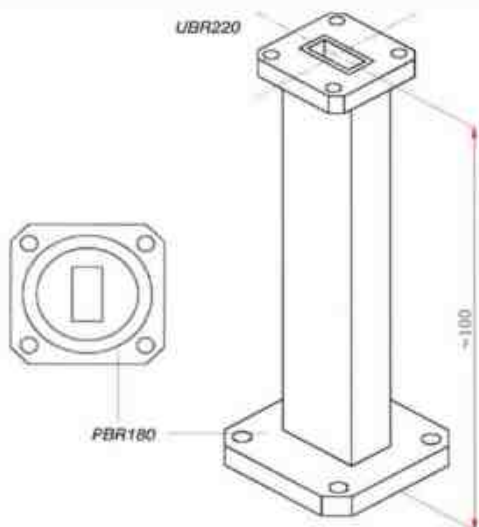
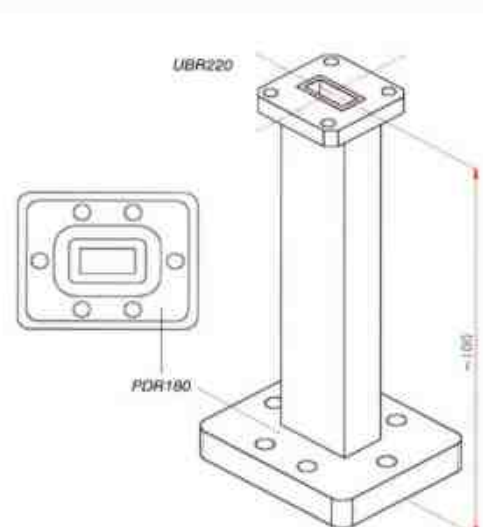


Fig.11 P/N UBR220-PBR180



P/N UBR220-PDR180

Fig.12

# WAVEGUIDE ADAPTERS AND JUNCTIONS DRAWINGS

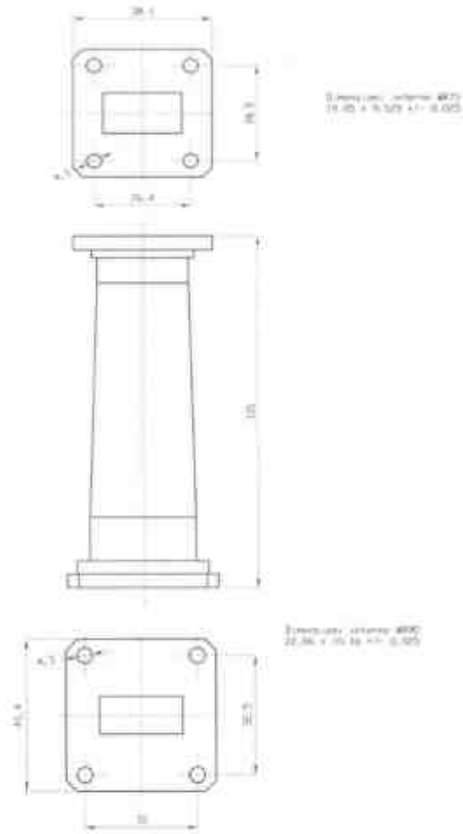
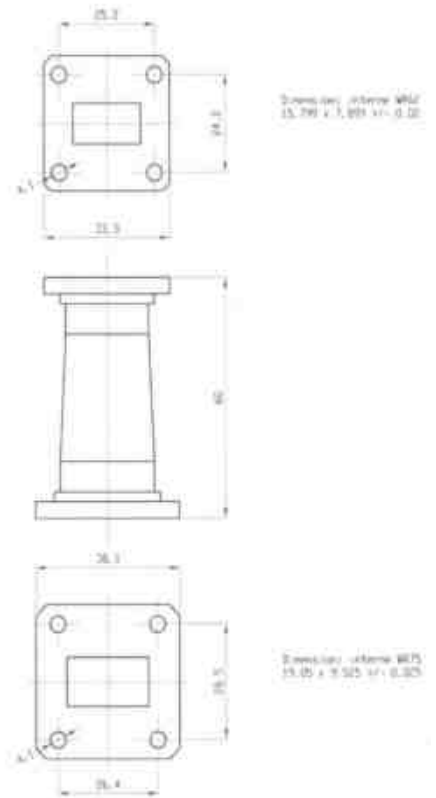


Fig.13 P/N UBR100-UBR120



P/N UBR120-UBR140 Fig.14

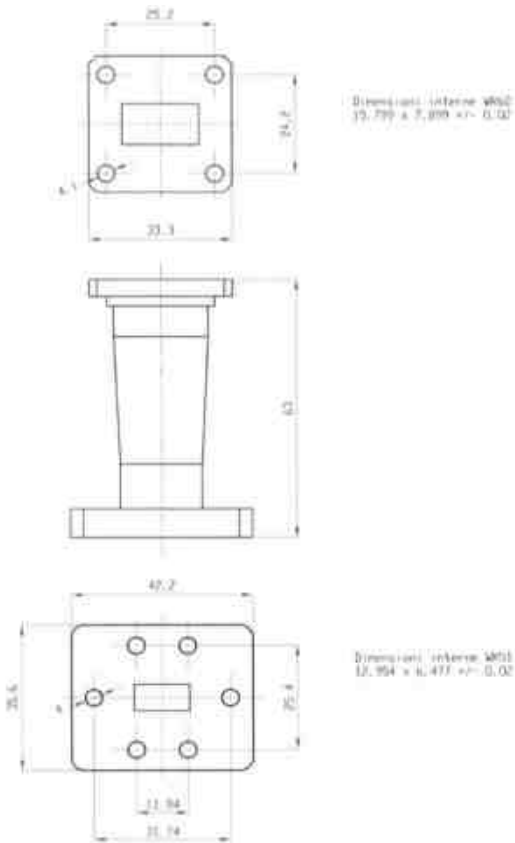
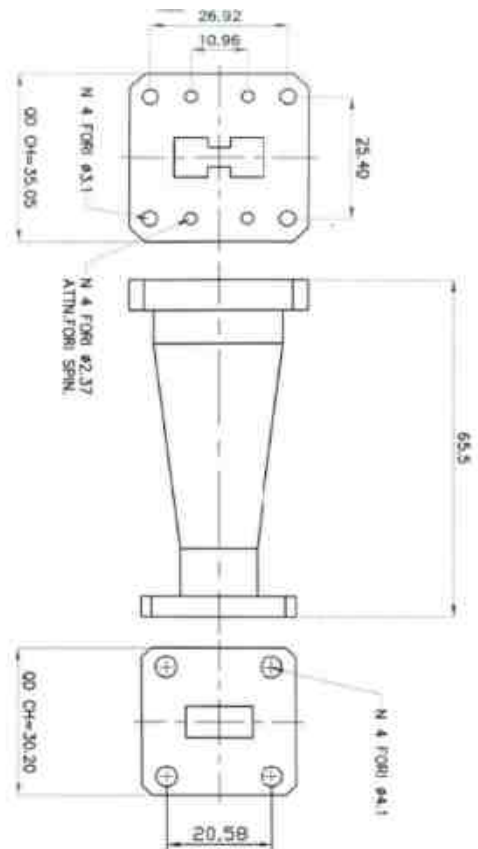


Fig.15 P/N UBR140-UDR180

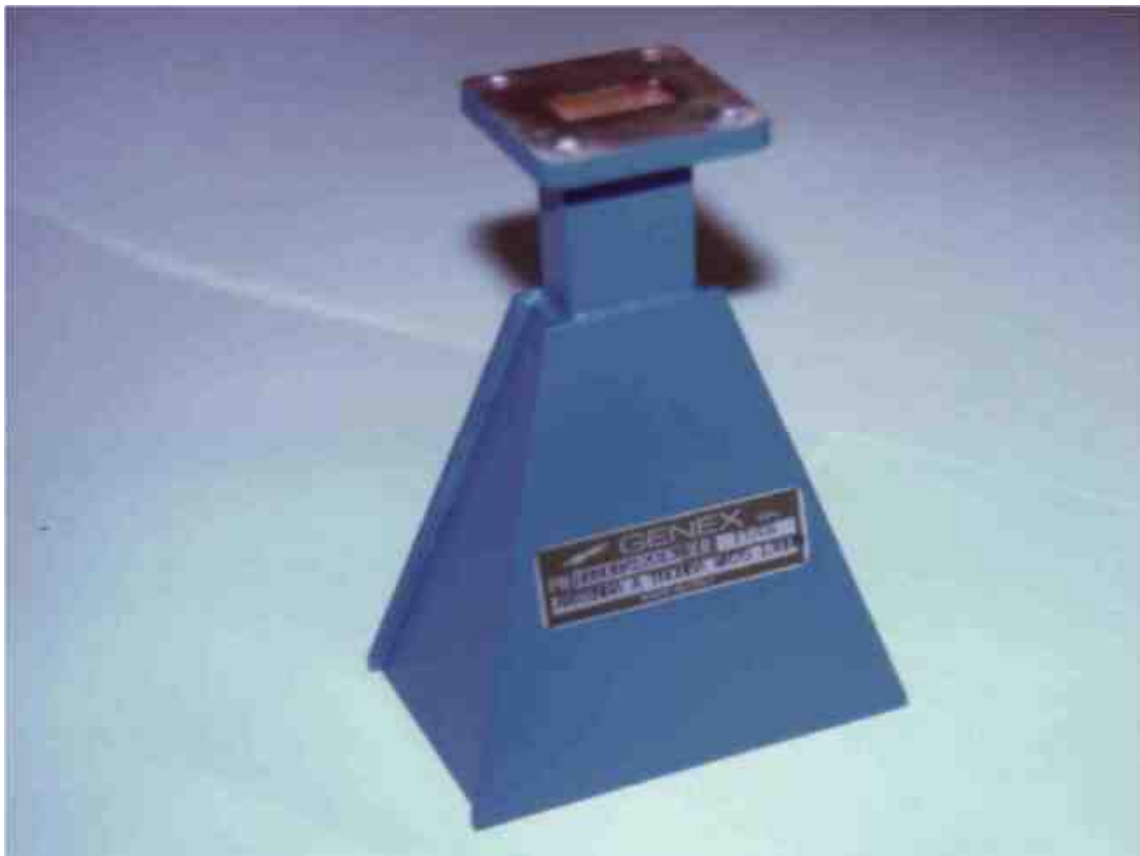


P/N UBR140-UDR180 Fig.16

Genex RF offer specific solution about RF signals transmission with waveguides for antennas branching.

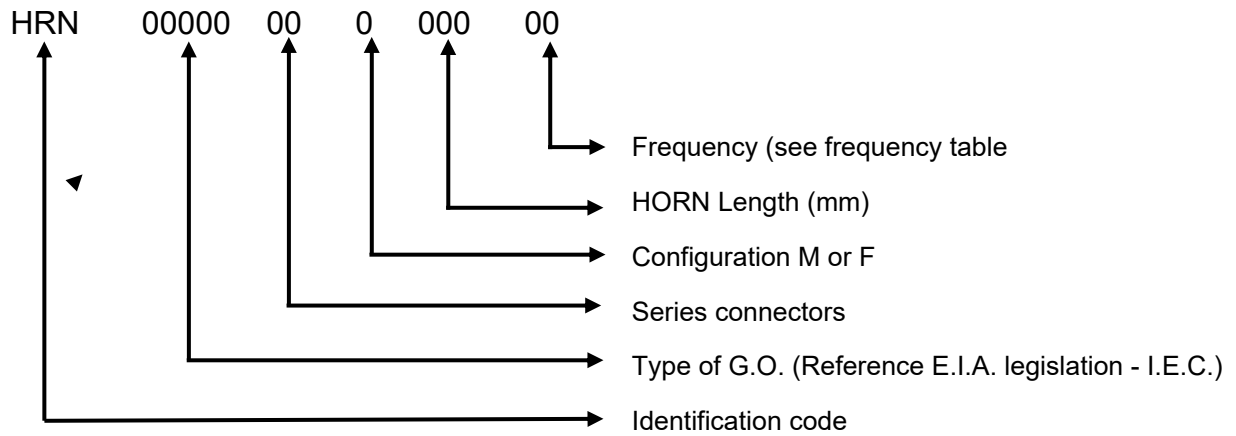


# HORN ANTENNAS



Components described following up represent our standard production. On request is possible produce Horn antennas with different data sheet.

# PART NUMBER GENEX RF HORN ANTENNA



Ex.:HRNWR430301470 = HORN WR430 N f length 470 mm

## SERIES CONNECTORS


10	BNC	50	HN
20	TNC	61	1.6/5.6
30	N	62	1.8/5.6
31	C	66	2.5/6
32	SC	68	4.1/9.5
33	SMA	69	4.6/1.6
40	UHF	70	DIN 7/16
42	1.0/2.3	75	EIA 1"5/8

## MALE / FEMALE

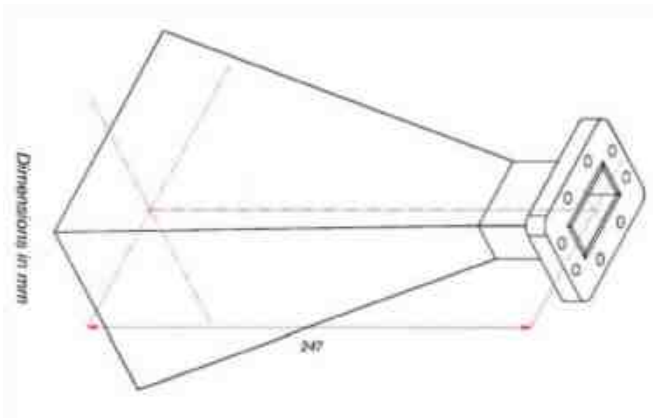
10	FEMALE	20	MALE
----	--------	----	------

# HORN ANTENNAS

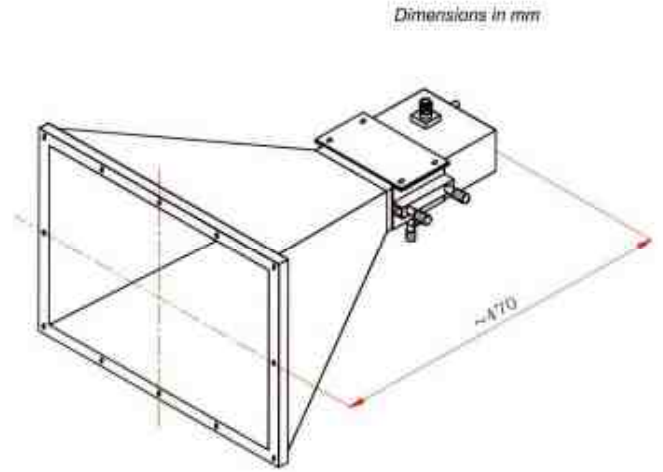


<i>P.N. GENEX RF</i>		<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
HRNUBR140203		Antenna W.G. WR62 - square flange surface (12 to 18 GHz freq)	L=203 mm	6
HRNUBR120138		Antenna W.G. WR75 - square flange surface (freq 9.5 to 15 GHz)	L=138 mm	3
HRNUBR120330		Antenna W.G. WR75 - square flange surface (freq 9.5 to 15 GHz)	L=330 mm	5
HRNUDR70247		Antenna W.G. WR137-pressurized plain rectangular flange (5.4 ÷ 8.2 GHz freq)	L=247 mm	1
HRNWR43030147006		Antenna W.G. WR430 antenna connector N f (freq 1.6 to 1.9 GHz)	L=470 mm	2
HRNUBR120140		Antenna W.G. WR75 - square flange surface (freq 9.5 to 15 GHz)	L=140 mm	4

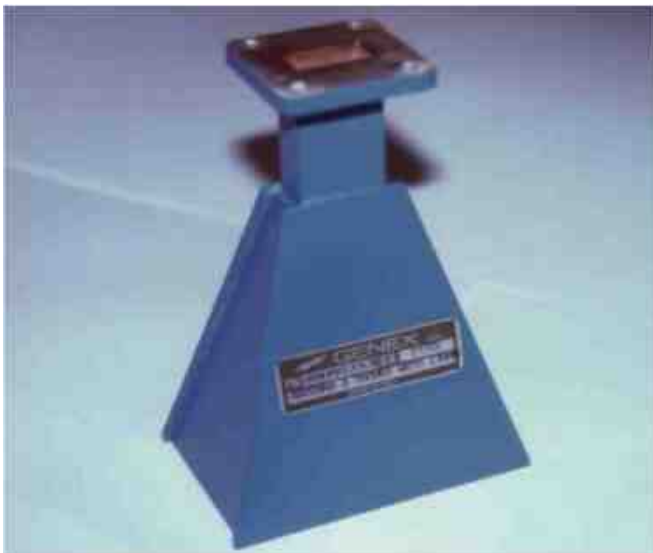
# HORN ANTENNAS DRAWINGS



**Fig.1** P/N HRNUDR70247



**Fig.2** P/N HRNWR430301470



**Fig.3** P/N HRNUBR120138



**Fig.4** P/N HRNUBR120140



**Fig.5** P/N HRNUBR120330



**Fig.6** P/N HRNUBR140203

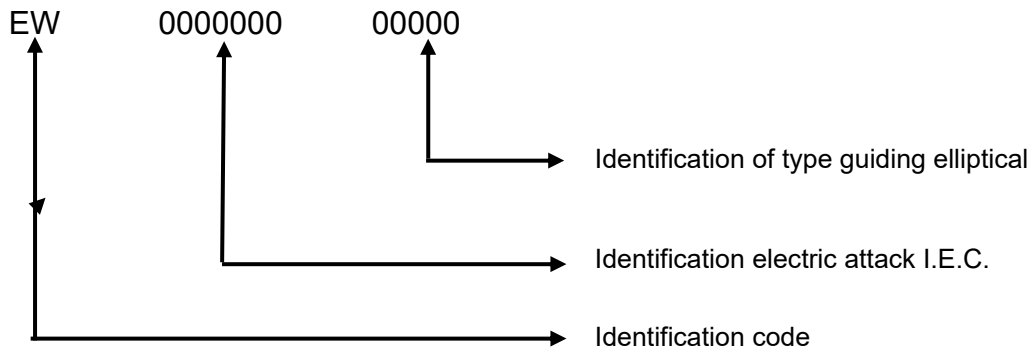


# ELLIPTIC WAVEGUIDE CONNECTORS



Components described following up represent our standard production. On request is possible produce Elliptical Waveguide Connectors with different data sheet.

# PART NUMBER GENEX RF ELLIPTIC WAVEGUIDE CONNECTORS



▼  
Ex.:EWPBR120EW90=Connector PBR120 for elliptical waveguide EW90

▼ ▼ ▼

## ELLIPTIC WAVEGUIDE WR28 CONNECTORS

### SQUARE PRESSURIZABLE

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EWPBR320E380	Connector for PBR320 w.g. Elliptical E380 RFS	Freq. 37 - 40 GHz	1

## ELLIPTIC WAVEGUIDE WR42 CONNECTORS

### SQUARE PRESSURIZABLE



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EWPBR220EW180	Connector for PBR220 w.g. Andrew EW180 elliptical	Freq. 17,3 - 19,7 GHz	5
EWPBR220E185	Connector for PBR220 w.g. RFS Elliptical E185	Freq. 17,7 - 19,7 GHz	
EWPBR220E220	Connector for PBR220 w.g. RFS Elliptical E220	Freq. 21,2 - 23,6 GHz	
EWPBR220EW220	Connector for PBR220 w.g. Andrew EW220 elliptical	Freq. 21,2 - 23,6 GHz	

## ELLIPTIC WAVEGUIDE WR75 CONNECTORS

### SQUARE PRESSURIZABLE



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EWPBR120E130	Connector for PBR120 w.g. E130 elliptical	Freq. 10,7 - 13,25 GHz	2
EWPBR120EW90	Connector for PBR120 w.g. EW90 elliptical	Freq. 10,5 - 11,70 GHz	3
EWPBR120EW127	Connector for PBR120 w.g. EW127 elliptical	Freq. 11,7 - 13,25 GHz	4

# ELLIPTIC WAVEGUIDE WR112 CONNECTORS

## RECTANGULAR PRESSURIZZABILE

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EW PDR84EW77	Connector for PDR84 w.g. EW77 elliptical	Freq. 7,12 - 8,5 GHz	

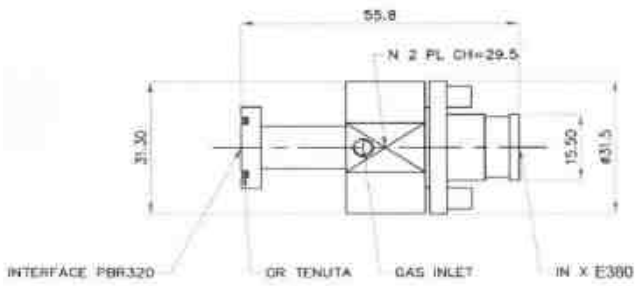
## FLAT SQUARE

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EWUBR84EW77	Connector for UBR84 w.g. Andrew EW77 elliptical	Freq. 7,12 - 8,5 GHz	6

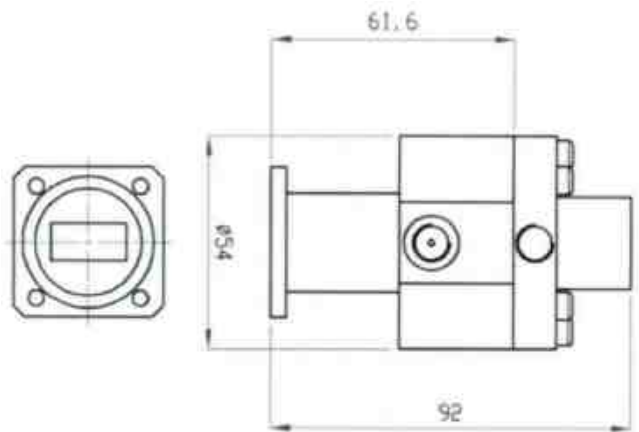
## SQUARE PRESSURIZABLE

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
EW PBR84EW77	Connector for PBR120 w.g. E130 elliptical	Freq. 10,7 - 13,25 GHz	7

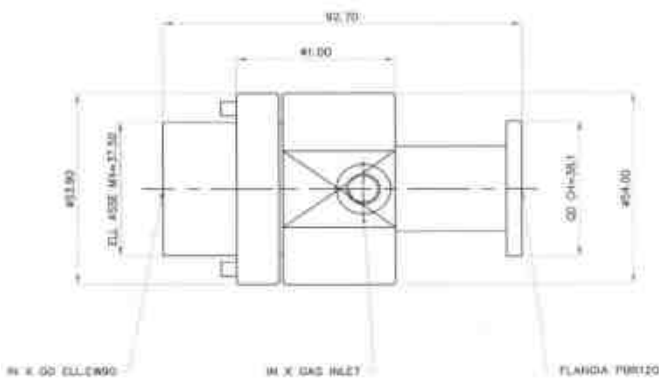
# ELLIPTIC WAVEGUIDE CONNECTORS DRAWINGS



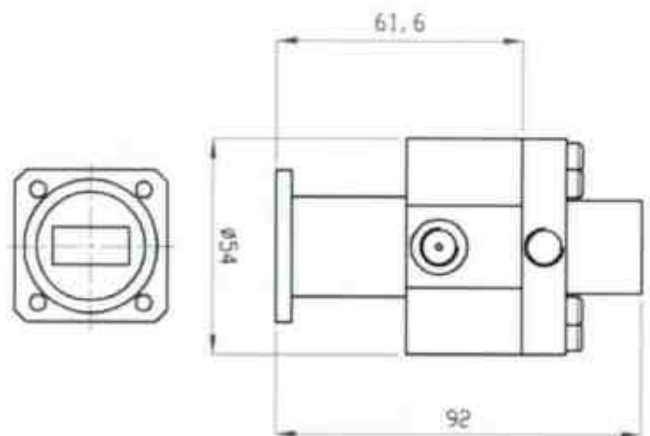
**Fig1** P/N EWPBR320E380



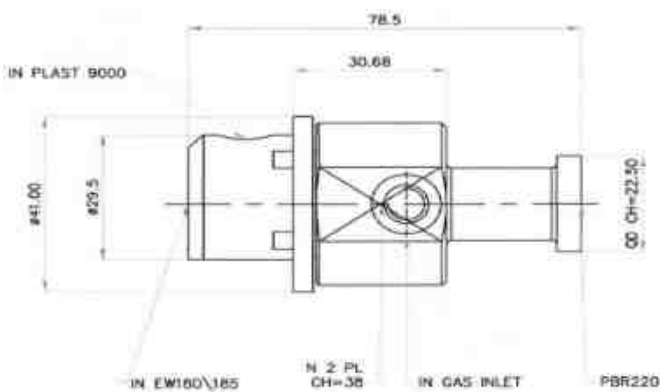
**P/N EWPBR120E130** Fig.2



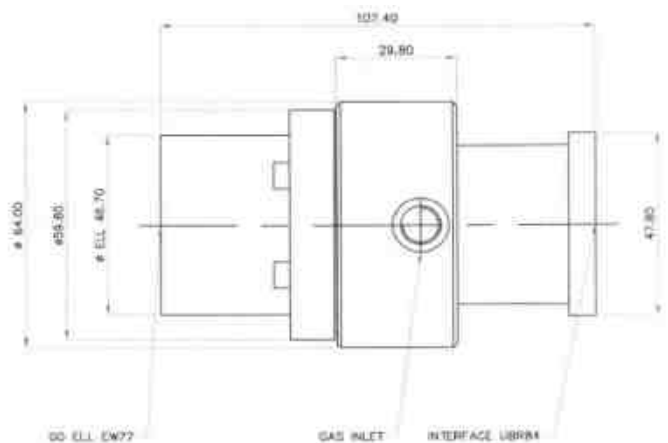
**Fig.3** P/N EWPBR120EW90



**P/N EWPBR120EW127** Fig.4



**Fig.5** P/N EWPBR220EW180



**P/N EWUBR84EW77** Fig.6

# ELLIPTIC WAVEGUIDE CONNECTORS DRAWINGS

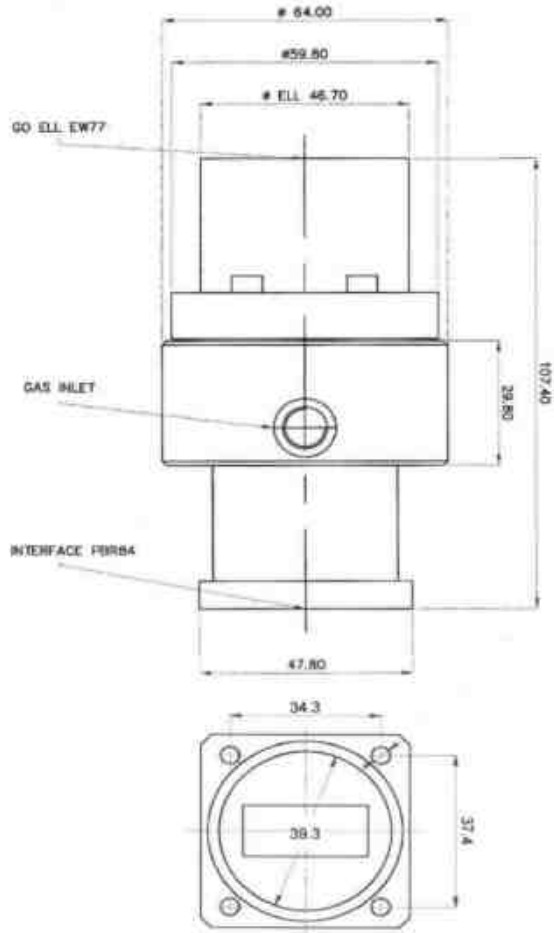


Fig.7

P/N EWPBR84EW77

P/N

Fig.8

Fig.9

P/N

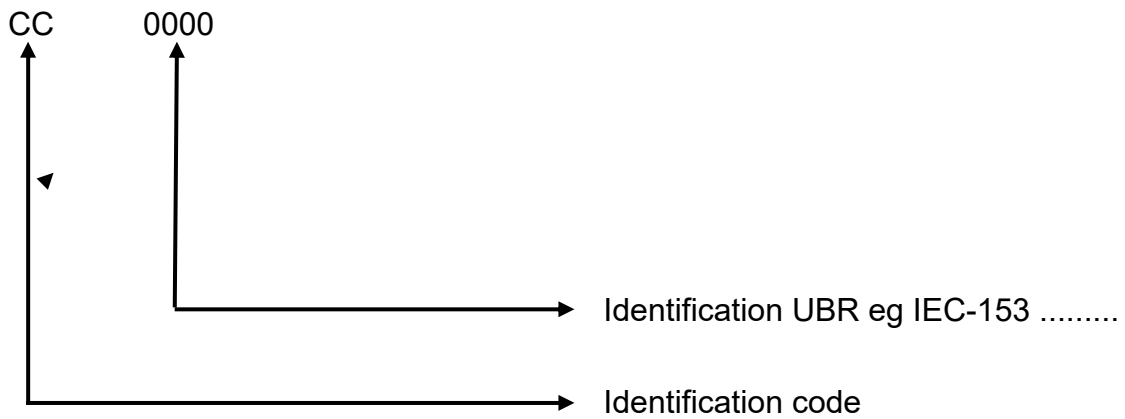
P/N

Fig.10

# WAVEGUIDE SHORT CIRCUITS

Components described following up represent our standard production. On request is possible produce Waveguide Short Circuits with different data sheet.

# PART NUMBER GENEX RF WAVEGUIDE SHORT CIRCUIT



Ex.: CCPBR120 = Short Circuit WR75 square flange gasket





# WAVEGUIDE SHORT CIRCUITS

## WR28

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR320	shorted square planar flange WR28		
CCPBR320	shorted with pressurizable WR28 square flange gasket		
CCPDR320	shorted with pressurizable WR28 rectangular flange gasket		
CCUDR320	short circuit WR28 rectangular flange pressurized plane		

## WR34

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR260	shorted square planar flange WR34		
CCPBR260	shorted with pressurizable WR34 square flange gasket		
CCPDR260	shorted with pressurizable WR34 rectangular flange gasket		
CCUDR260	short circuit WR34 rectangular flange pressurized plane		

## WR42

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR220	shorted square planar flange WR42		
CCPBR220	shorted with pressurizable WR42 square flange gasket		
CCPDR220	shorted with pressurizable WR42 rectangular flange gasket		
CCUDR220	short circuit WR42 rectangular flange pressurized plane		

## WR51

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR180	shorted square planar flange WR51		
CCPBR180	shorted with pressurizable WR51 square flange gasket		
CCPDR180	shorted with pressurizable WR51 rectangular flange gasket		
CCUDR180	short circuit WR51 rectangular flange pressurized plane		

## WR62

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR140	shorted square planar flange WR62		
CCPBR140	shorted with pressurizable WR62 square flange gasket		
CCPDR140	shorted with pressurizable WR62 rectangular flange gasket		
CCUDR140	short circuit WR62 rectangular flange pressurized plane		

## WR75

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR120	shorted square planar flange WR75		
CCPBR120	shorted with pressurizable WR75 square flange gasket		
CCPDR120	shorted with pressurizable WR75 rectangular flange gasket		
CCUDR120	short circuit WR75 rectangular flange pressurized plane		

## WR90

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR100	shorted square planar flange WR90		
CCPBR100	shorted with pressurizable WR90 square flange gasket		
CCPDR100	shorted with pressurizable WR90 rectangular flange gasket		
CCUDR100	short circuit WR90 rectangular flange pressurized plane		

## WR112

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR84	shorted square planar flange WR112		
CCPBR84	shorted with pressurizable WR112 square flange gasket		
CCPDR84	shorted with pressurizable WR112 rectangular flange gasket		
CCUDR84	short circuit WR112 rectangular flange pressurized plane		

## WR137

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR70	shorted square planar flange WR137		
CCPBR70	shorted with pressurizable WR137 square flange gasket		
CCPDR70	shorted with pressurizable WR137 rectangular flange gasket		
CCUDR70	short circuit WR137 rectangular flange pressurized plane		

## WR159

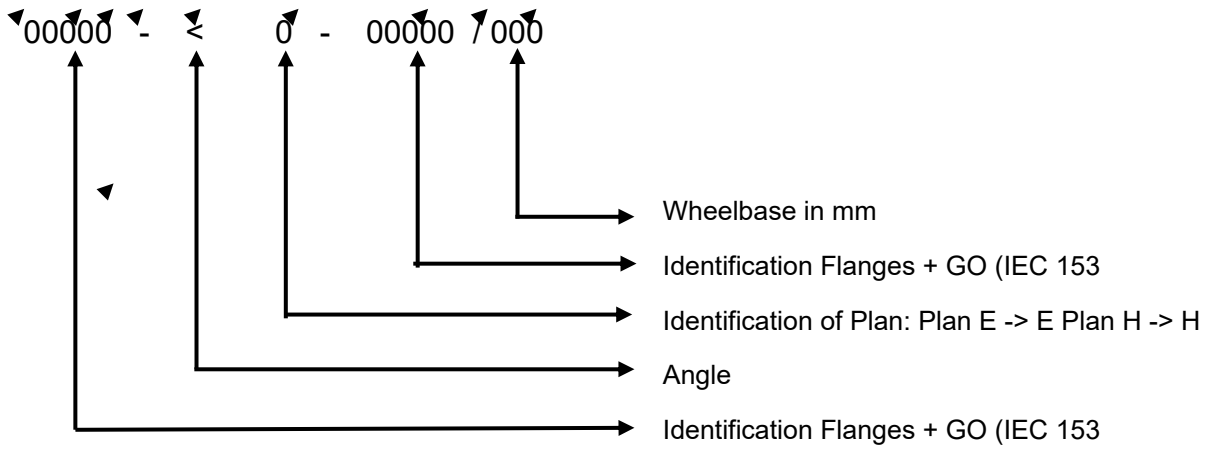
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CCUBR58	shorted square planar flange WR159		
CCPBR58	shorted with pressurizable WR159 square flange gasket		
CCPDR58	shorted with pressurizable WR159 rectangular flange gasket		
CCUDR58	short circuit WR159 rectangular flange pressurized plane		

# SLUMPED WAVEGUIDES



Components described following up represent our standard production. On request is possible produce Slumped Waveguides with different data sheet.

# PART NUMBER GENEX RF SLUMPED WAVEGUIDES



Ex.: PBR120-<H-UBR120/35 = Slumped WR75 H-plane distance 35 mm square flange-pressurized plane

## SLUMPED WAVEGUIDES ON PLANE "E"



<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR320-E90-PBR320	Slumped W.G. WR28 90 ° from square flange flat square flange pressurizable with seal	Plane "E"	8
UBR220-E90-PBR220	Slumped W.G. WR42 90 ° from square flange flat square flange pressurizable with seal	Plane "E"	
UBR140-E90-PBR140	Slumped W.G. WR62 90 ° from square flange flat square flange pressurizable with seal	Plane "E"	9
UBR120-E60-PBR120	Slumped W.G. WR75 60 ° from square flange flat square flange pressurizable with seal	Plane "E"	6
UBR120-E90-PBR120	Slumped W.G. WR75 90 ° from square flange flat square flange pressurizable with seal	Plane "E"	2
UBR84-E90-UBR84	Slumped W.G. WR112 90 ° from flat square flange square flange plane	Plane "E"	4
PDR70-E90-UAR70	Slumped W.G. 90 ° from WR137 rectangular flange with pressurized seal flange round flat	Plane "E"	
PDR70-E90-PDR70	Slumped W.G. WR137 90 ° rectangular flange pressurizable with sealing flange rectangular pressurizable with seal	Plane "E"	

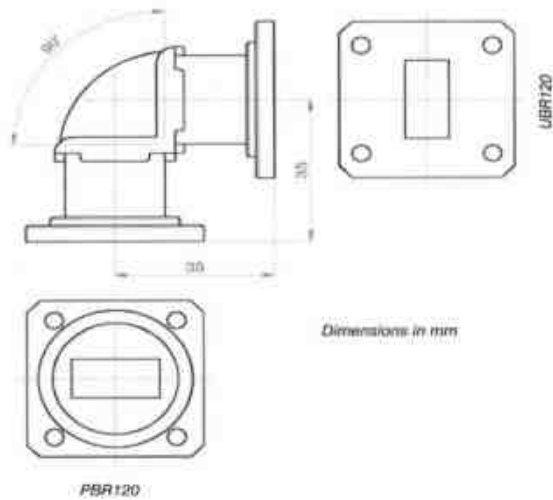
## SLUMPED WAVEGUIDES ON PLANE "H"



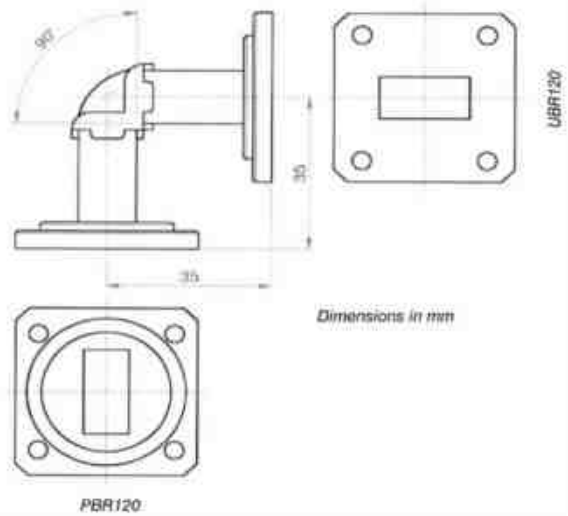
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
UBR320-H90-PBR320	Slumped W.G. WR28 90 ° from square flange flat square flange pressurizable with seal	Plane "H"	7
UBR220-H90-PBR220	Slumped W.G. WR42 90 ° from square flange flat square flange pressurizable with seal	Plane "H"	
UBR140-H90-PBR140	Slumped W.G. WR62 90 ° from square flange flat square flange pressurizable with seal	Plane "H"	
UBR120-H60-PBR120	Slumped W.G. WR75 60 ° from square flange flat square flange pressurizable with seal	Plane "H"	5
UBR120-H90-PBR120	Slumped W.G. WR75 90 ° from square flange flat square flange pressurizable with seal	Plane "H"	1
UBR84-H90-UBR84	Slumped W.G. WR112 90 ° from flat square flange square flange plane	Plane "H"	3



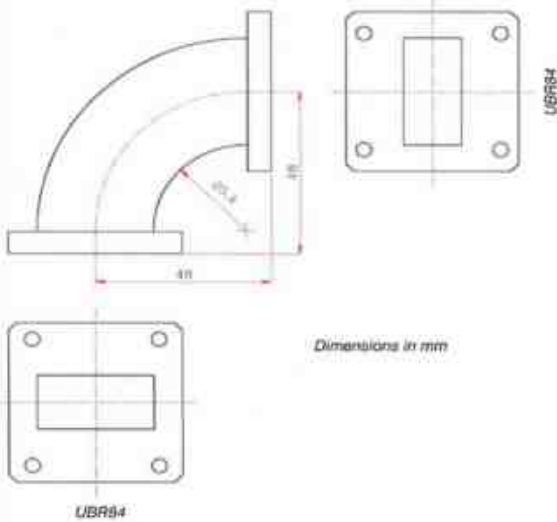
# SLUMPED WAVEGUIDES ON PLANE "E"/"H" DRAWINGS



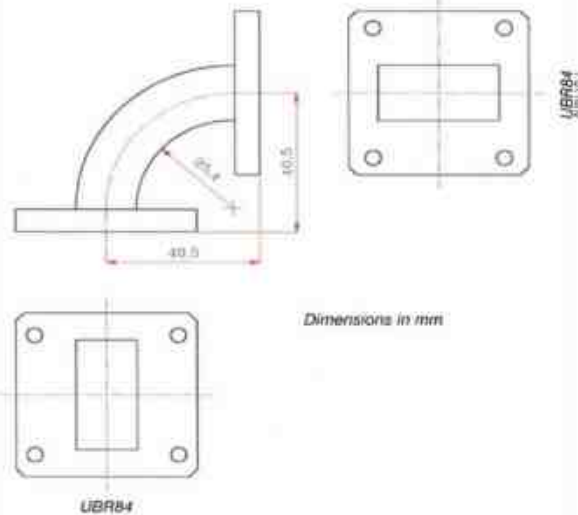
**Fig.1** P/N UBR120-H90-PBR120



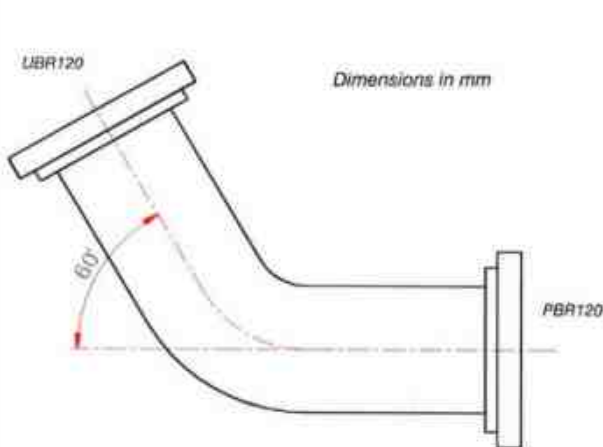
**Fig.2** P/N UBR120-E90-PBR120



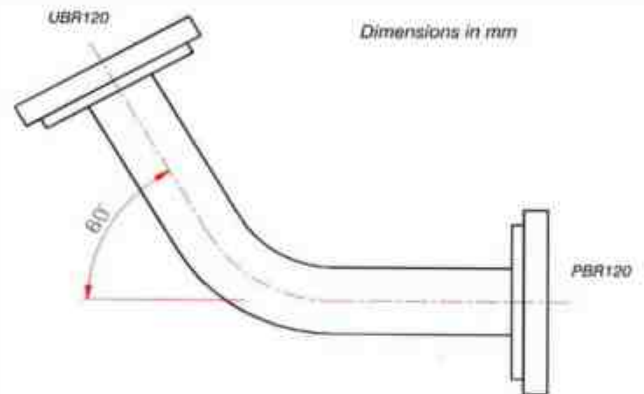
**Fig.3** P/N UBR84-H90-UBR84



**Fig.4** P/N UBR84-E90-UBR84

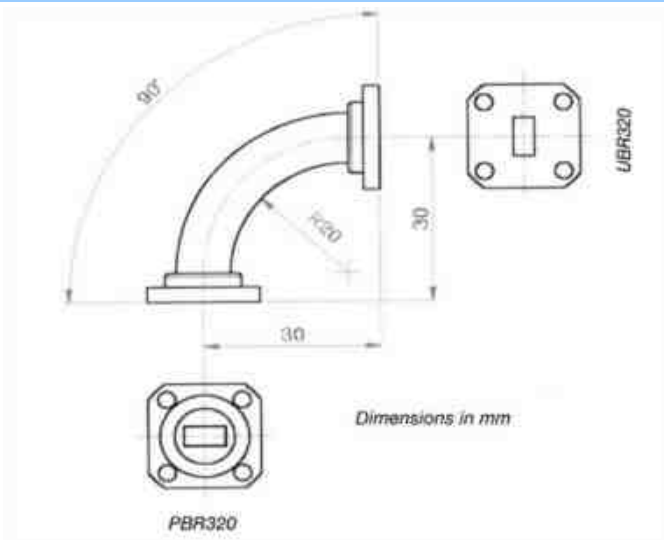


**Fig.5** P/N UBR120-H60-PBR120

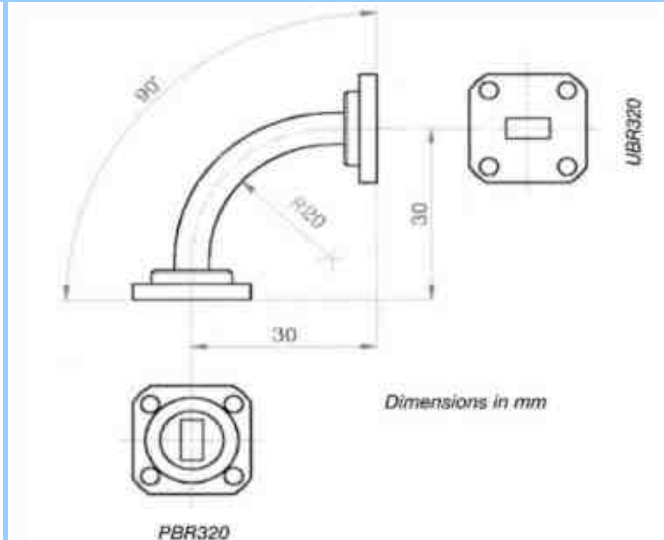


**Fig.6** P/N UBR120-E60-PBR120

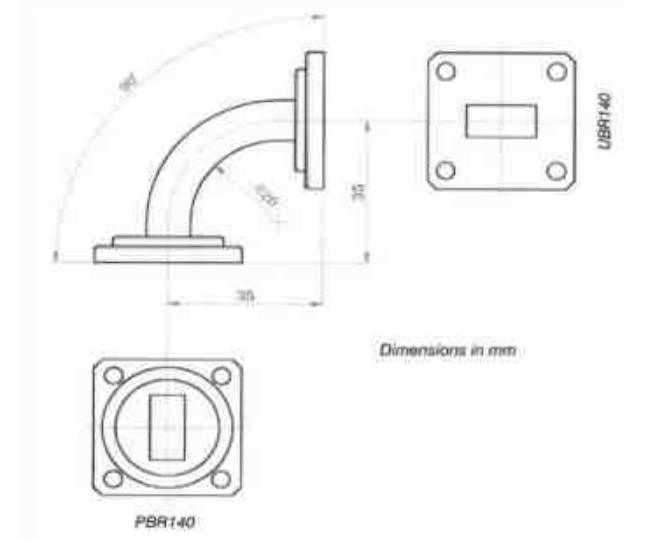
# SLUMPED WAVEGUIDES ON PLANE "E"/"H" DRAWINGS



**Fig.7** P/N UBR320-H90-PBR320



**Fig.8** P/N UBR320-E90-PBR320



**Fig.9** P/N UBR140-E90-PBR140



**Fig.10** P/N

**Fig.11** P/N

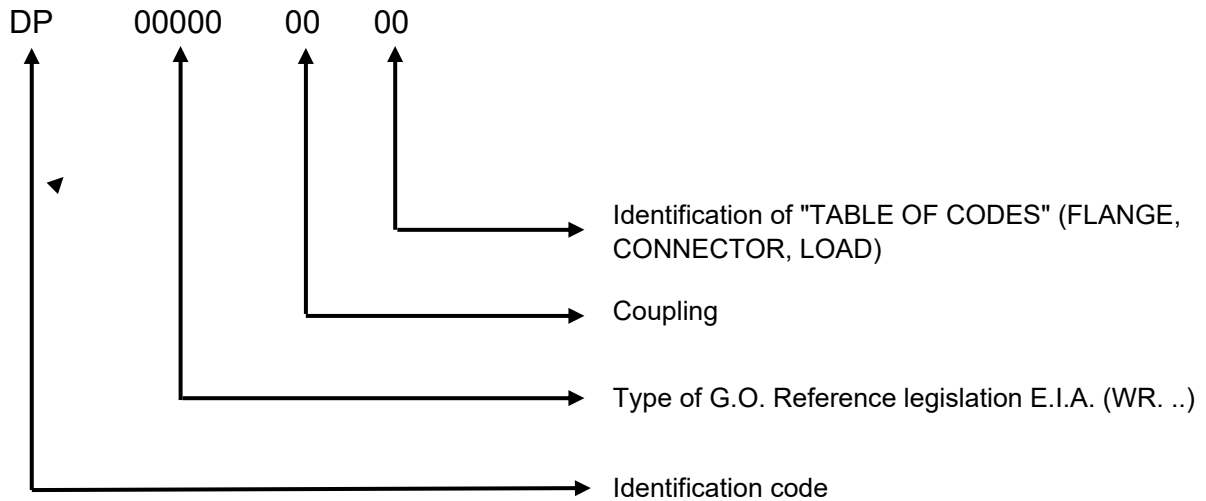
**P/N**

**Fig.12**

# WAVEGUIDE POWER SPLITTERS

Components described following up represent our standard production. On request is possible produce Waveguide Power Splitters with different data sheet.

# PART NUMBER GENEX RF WAVEGUIDE POWER SPLITTERS



Ex.: DPWR750302 = Power divider in WR75, -3 dB coupling, flanged UBR

TABLE OF CODING

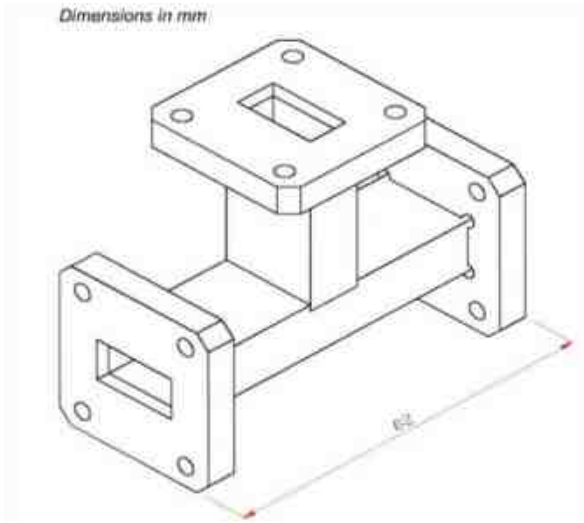
CODE	DESCRIPTION
00	PBR-UBR / UBR COMPLETELY PBR-FLANGED
01	PBR-UBR FLANGE SMA-F CONNECTOR
02	UBR COMPLETELY FLANGED
03	UBR / PBR and PBR + LOADING WITHOUT CONNECTOR
04	CHOKE / NF-PBR FLANGE CONNECTOR
05	CHOKE / NF-PBR FLANGE CONNECTOR



# WAVEGUIDE POWER SPLITTERS

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
DPWR750302	Divider WR75, 3 dB coupling, flanged UBR		1

# WAVEGUIDE POWER SPLITTERS DRAWINGS



**Fig.1**

**P/N DPWR750302**

**P/N**

**Fig.2**

**Fig.3**

**P/N**

**P/N**

**Fig.4**

**Fig.5**

**P/N**

**P/N**

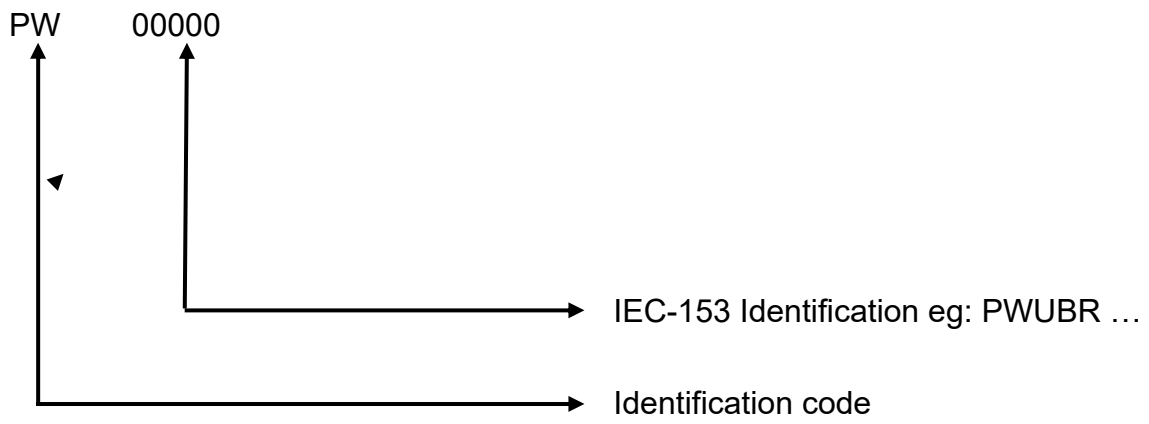
**Fig.6**

# PRESSURIZATION WINDOWS



Components described following up represent our standard production. On request is possible produce Pressurization Windows with different data sheet.

# PART NUMBER GENEX RF PRESSURIZATION WINDOWS



Ex.: PWUBR120 = WR75 Square Flat Flange



## PRESSURIZATION WINDOWS

<i>P.N. GENEX RF</i>	<i>G.O.</i>	<i>Frequency</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
PWUBR320	WR28	26,4 - 40,1 GHz	square flange plane		
PWUBR220	WR42	17,6 - 26,7 GHz	square flange plane		
PWCBR140	WR62	11,9 - 18,00 GHz	square flange gasket (CHOKE		
PWUDR140	WR62	11,9 - 18,00 GHz	pressurizable flat rectangular flange		
PWPBR120	WR75	9,54 - 15,00 GHz	pressurized with square flange gasket		
PWUDR120	WR75	9,54 - 15,0 GHz	pressurizable flat rectangular flange		
PWUBR100	WR90	8,20 - 12,5 GHz	square flange plane		
PWUDR100	WR90	8,20 - 12,5 GHz	pressurizable flat rectangular flange		
PWUBR84	WR112	6,58 - 10,0 GHz	square flange plane		
PWUDR70	WR137	5,38 - 8,18 GHz	pressurizable flat rectangular flange		1
PWUAR48	WR187	3,94 - 5,99 GHz	round flange plane		
PWUDR40	WR229	3,22 - 4,90 GHz	pressurizable flat rectangular flange		
PWUAR32	WR284	2,60 - 3,95 GHz	round flange plane		

# PRESSURIZATION WINDOW DRAWINGS

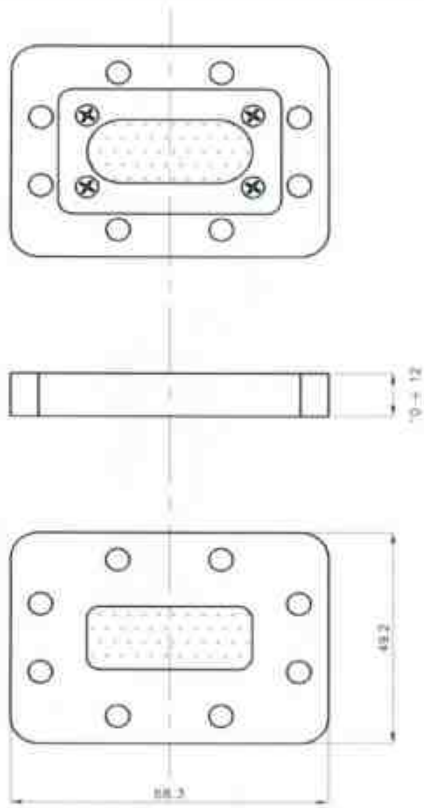


Fig.1

P/N PWUDR70

P/N

Fig.2

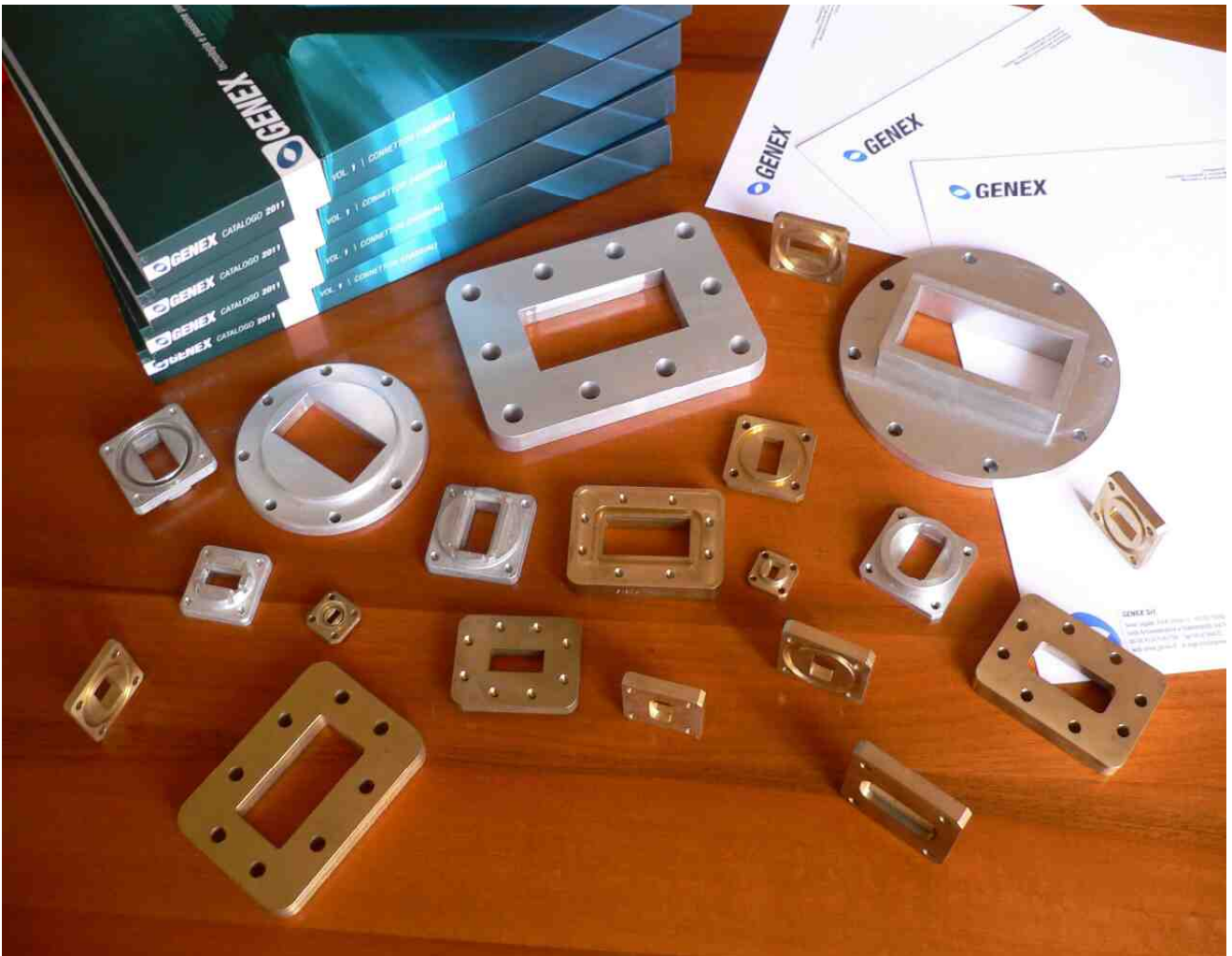
Fig.3

P/N

P/N

Fig.4

# FLANGES FOR WAVEGUIDE

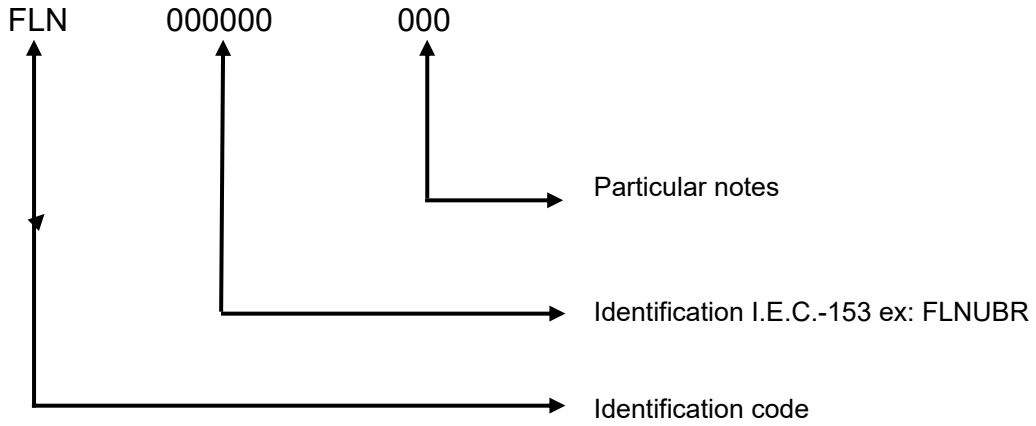


Components described following up represent our standard production. On request is possible produce Flanges for Waveguide with different data sheet.

# PART NUMBER GENEX RF FLANGES FOR WAVEGUIDE

▼ ▼▼▼▼ ▼ ▼ ▼▼▼

▼▼ ▼ ▼



Ex.: FLNUBR120FLX =Flange for WR75 waveguide for planar flexible

## SPECIAL NOTES

FLX

For flexible waveguide

FLT

Flange with threaded holes

## FLANGES FOR WAVEGUIDE

### WR 28

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPBR320	pressurized with square flange gasket		1
FLNUBR320	square flange plane		2

### WR 42

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPBR220	pressurized with square flange gasket		3
FLNUBR220	square flange plane		4

### WR 51

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNUDR180	pressurizable flat rectangular flange		5
FLNUDR180FLX	FLEX pressurized flat rectangular flange		6

### WR 62

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPBR140	pressurized with square flange gasket		7
FLNPBR140FLX	pressurized with square flange gasket FLEX		8
FLNUBR140	square flange plane		9
FLNUBR140FLX	square flange flat FLEX		10

## WR 75

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPBR120	pressurized with square flange gasket		11
FLNPBR120FLX	pressurized with square flange gasket FLEX		13
FLNUBR120	square flange plane		12
FLNUBR120FLX	square flange flat FLEX		14

## WR 112

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPBR84	pressurized with square flange gasket		15
FLNUBR84	square flange plane		16

## WR 137

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPDR70	pressurized rectangular flange with gasket		17
FLNPDR70FLX	pressurizable with a rectangular flange gasket FLEX		20
FLNUDR70	pressurizable flat rectangular flange		18
FLNUDR70FLX	FLEX pressurized flat rectangular flange		19
FLNUER70	rectangular flange is not pressurized		21

## WR 187

<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
FLNPDR48	pressurized rectangular flange with gasket		22
FLNUDR48	pressurizable flat rectangular flange		23

# FLANGES FOR WAVEGUIDE DRAWINGS

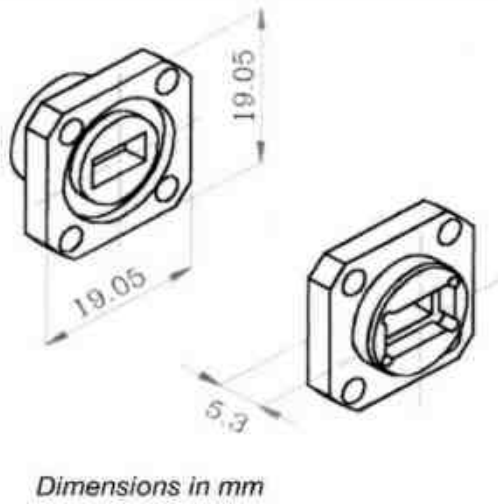
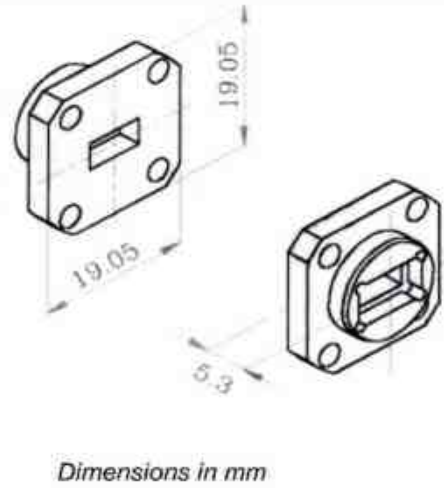


Fig.1

P/N FLNPBR320



P/N FLNUBR320

Fig.2

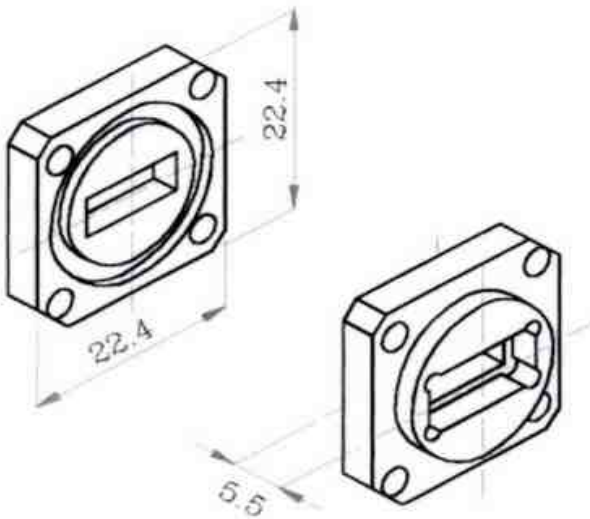
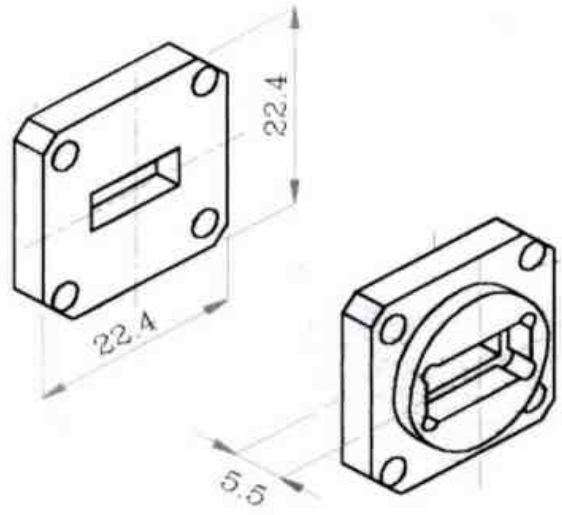


Fig.3

P/N FLNPBR220



P/N FLNUBR220

Fig.4

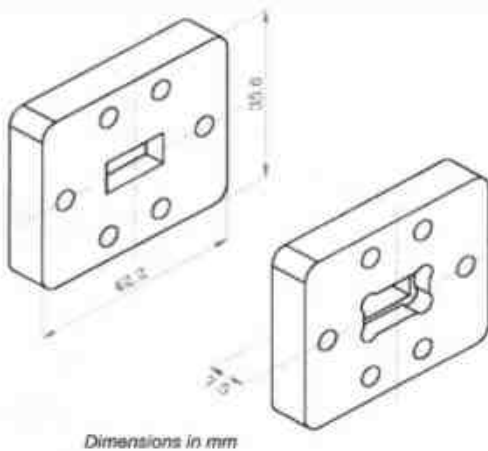
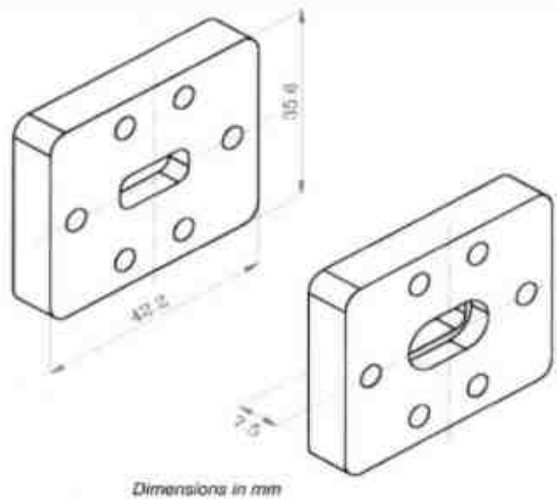


Fig.5

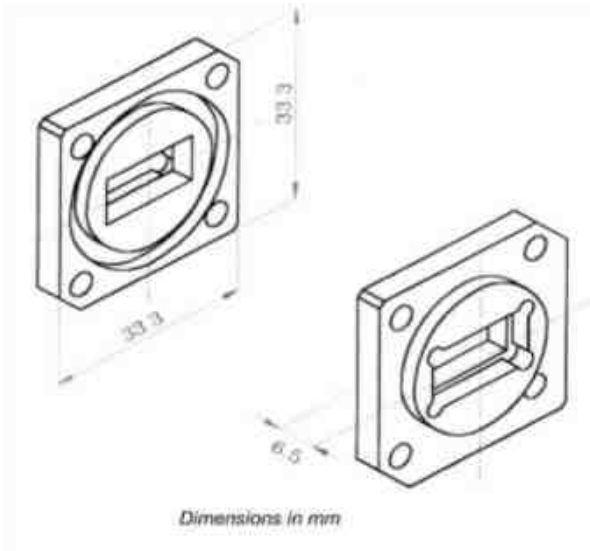
P/N FLNUDR180



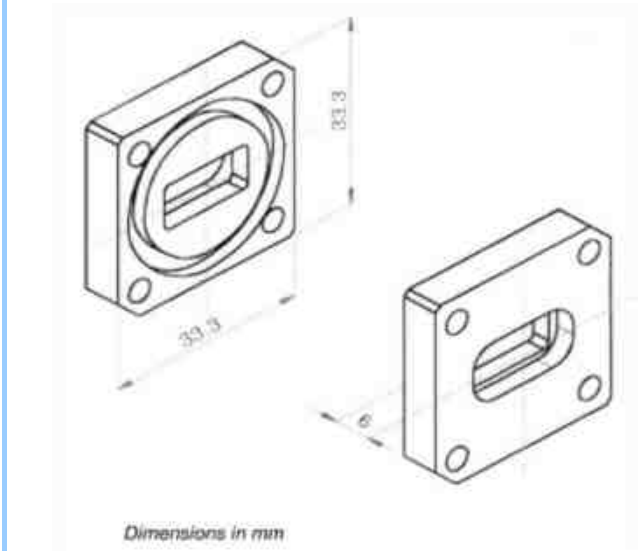
P/N FLNUDR180FLX

Fig.6

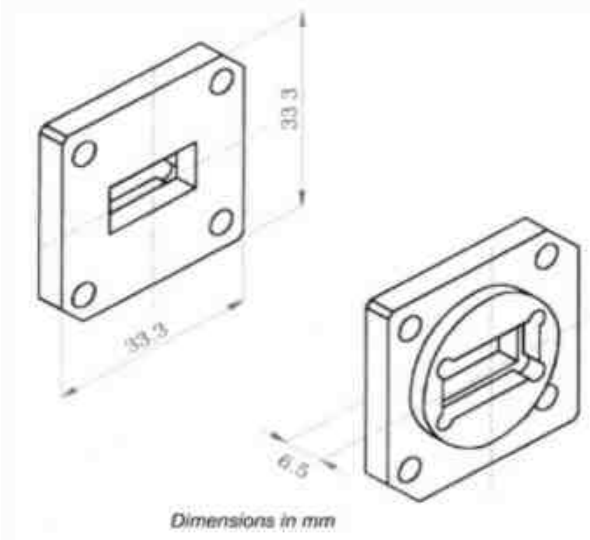
# FLANGES FOR WAVEGUIDE DRAWINGS



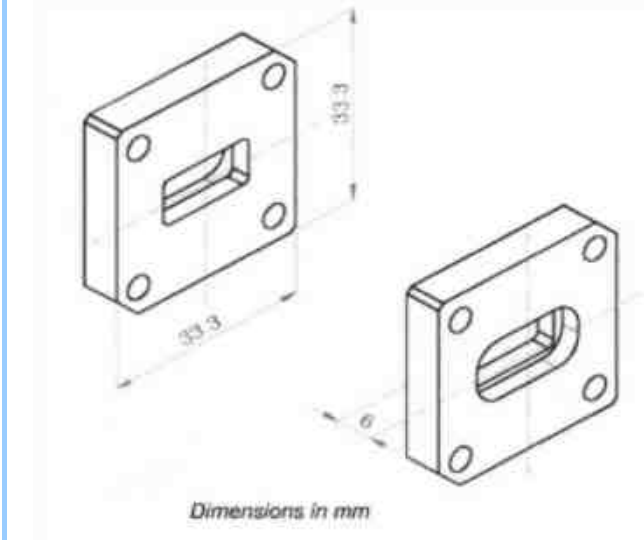
**Fig.7** P/N FLNPBR140



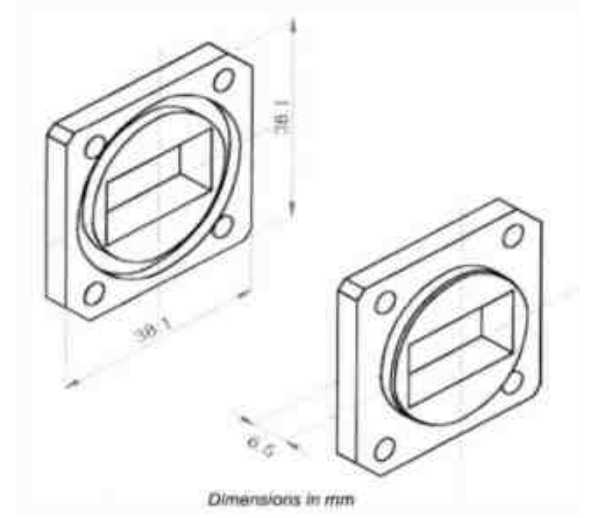
**Fig.8** P/N FLNPBR140FLX



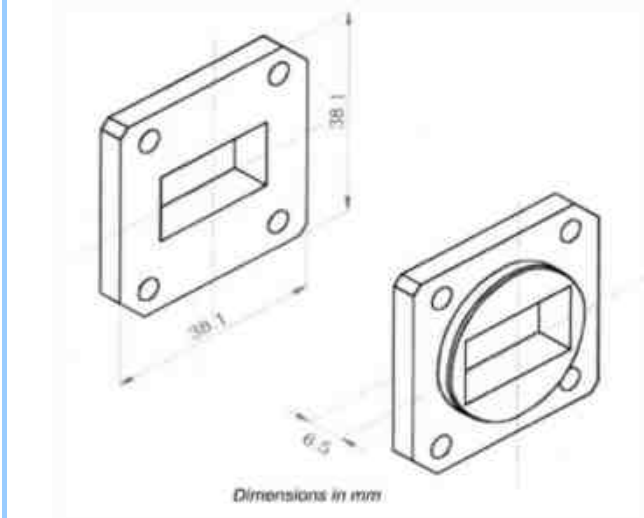
**Fig.9** P/N FLNUBR140



**Fig.10** P/N FLNUBR140FLX



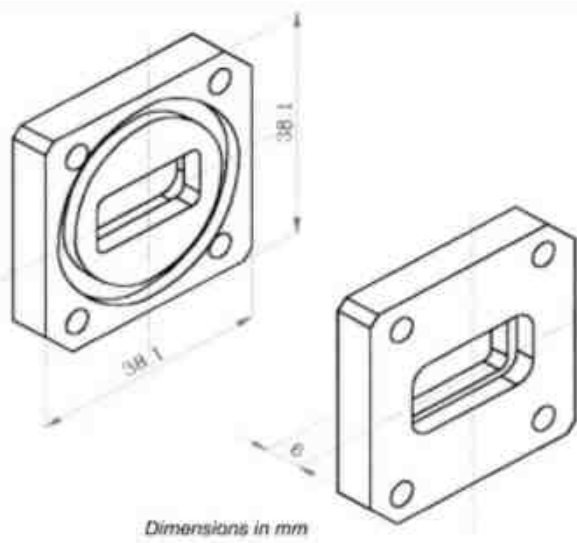
**Fig.11** P/N FLNPBR120



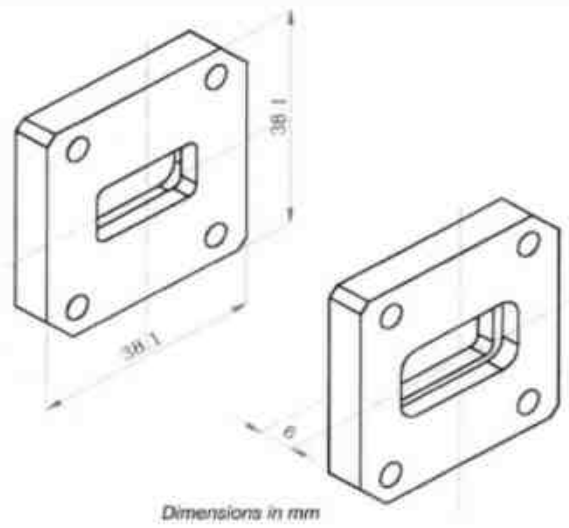
**Fig.12** P/N FLNUBR120



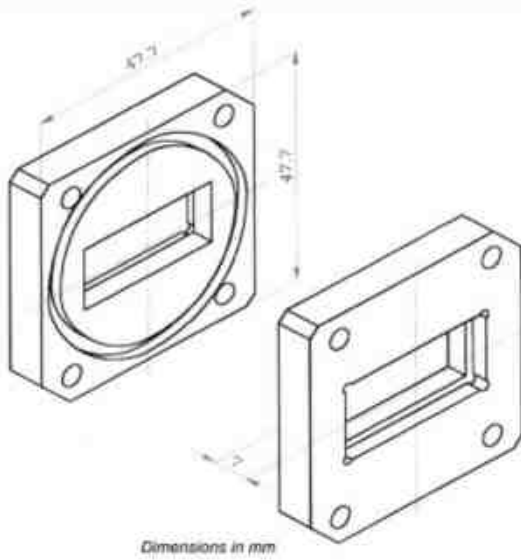
# FLANGES FOR WAVEGUIDE DRAWINGS



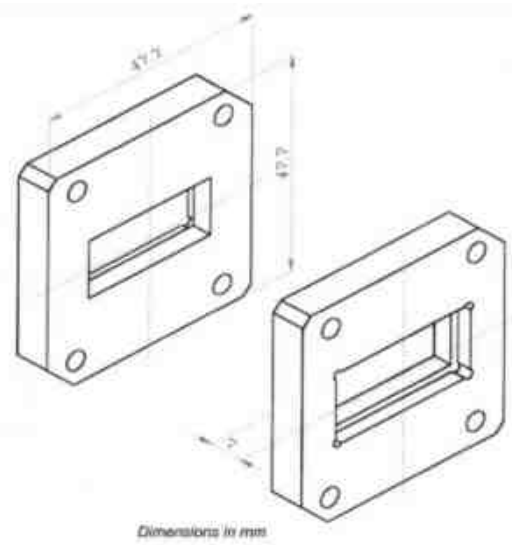
**Fig.13** P/N FLNPBR120FLX



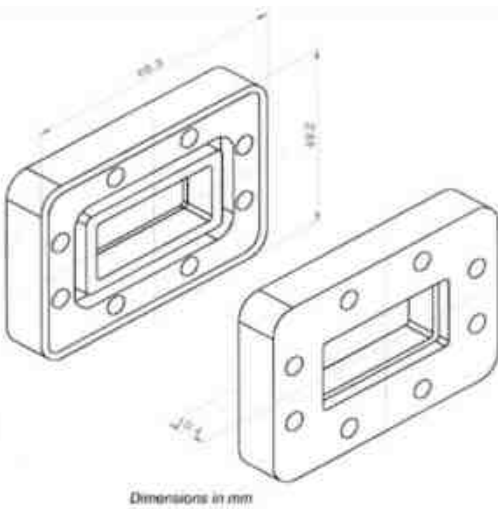
**Fig.14** P/N FLNUBR120FLX



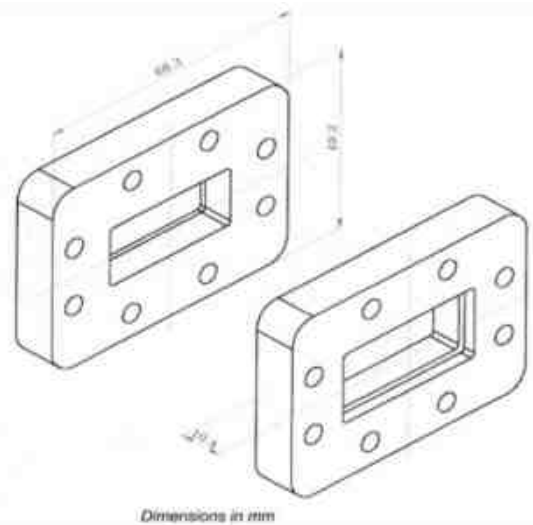
**Fig.15** P/N FLNPBR84



**Fig.16** P/N FLNUBR84

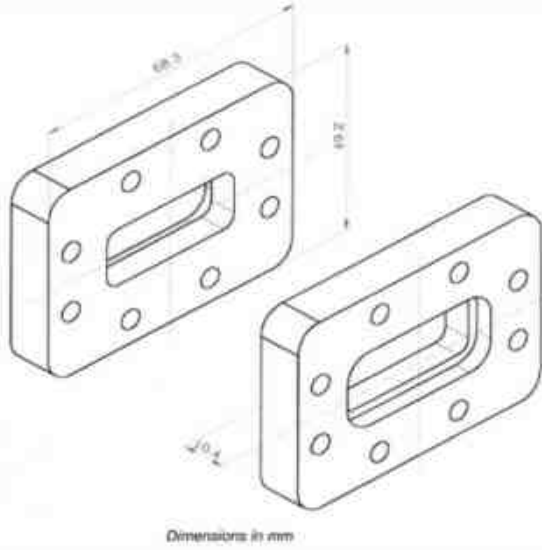


**Fig.17** P/N FLNPDR70

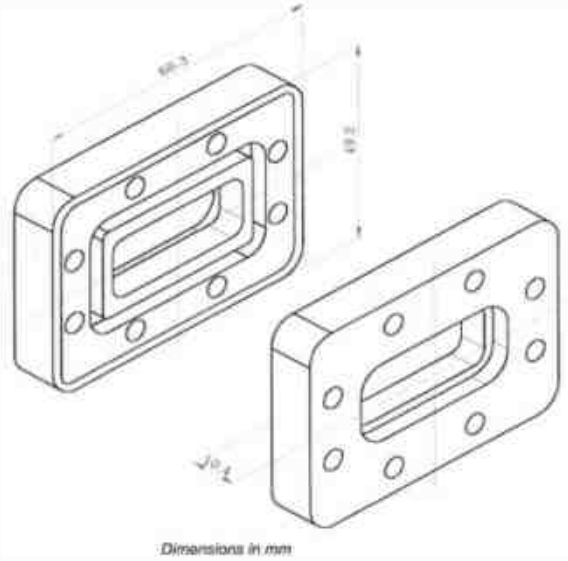


**Fig.18** P/N FLNUDR70

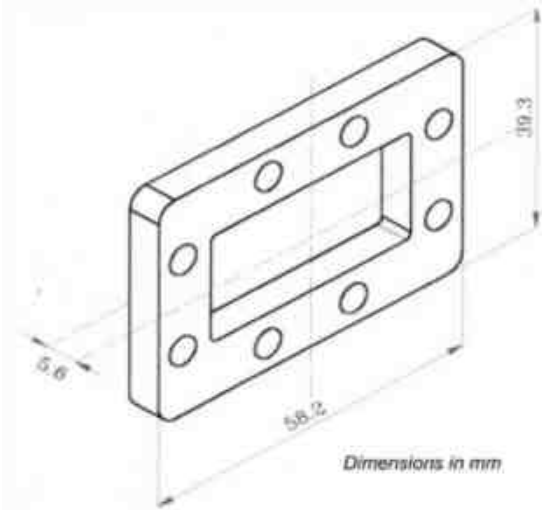
# FLANGES FOR WAVEGUIDE DRAWINGS



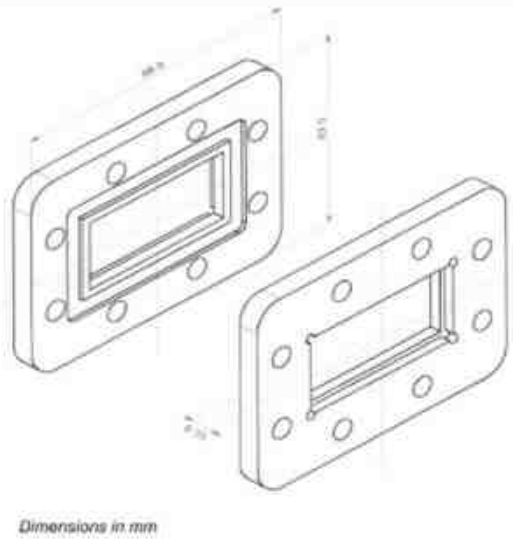
**Fig.19** P/N FLNUDR70FLX



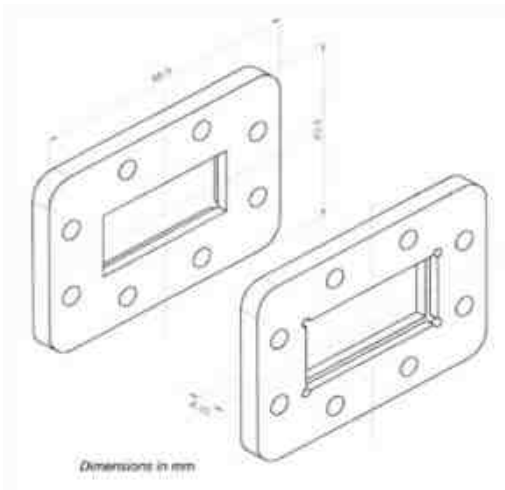
**Fig.20** P/N FLNPDR70FLX



**Fig.21** P/N FLNUER70



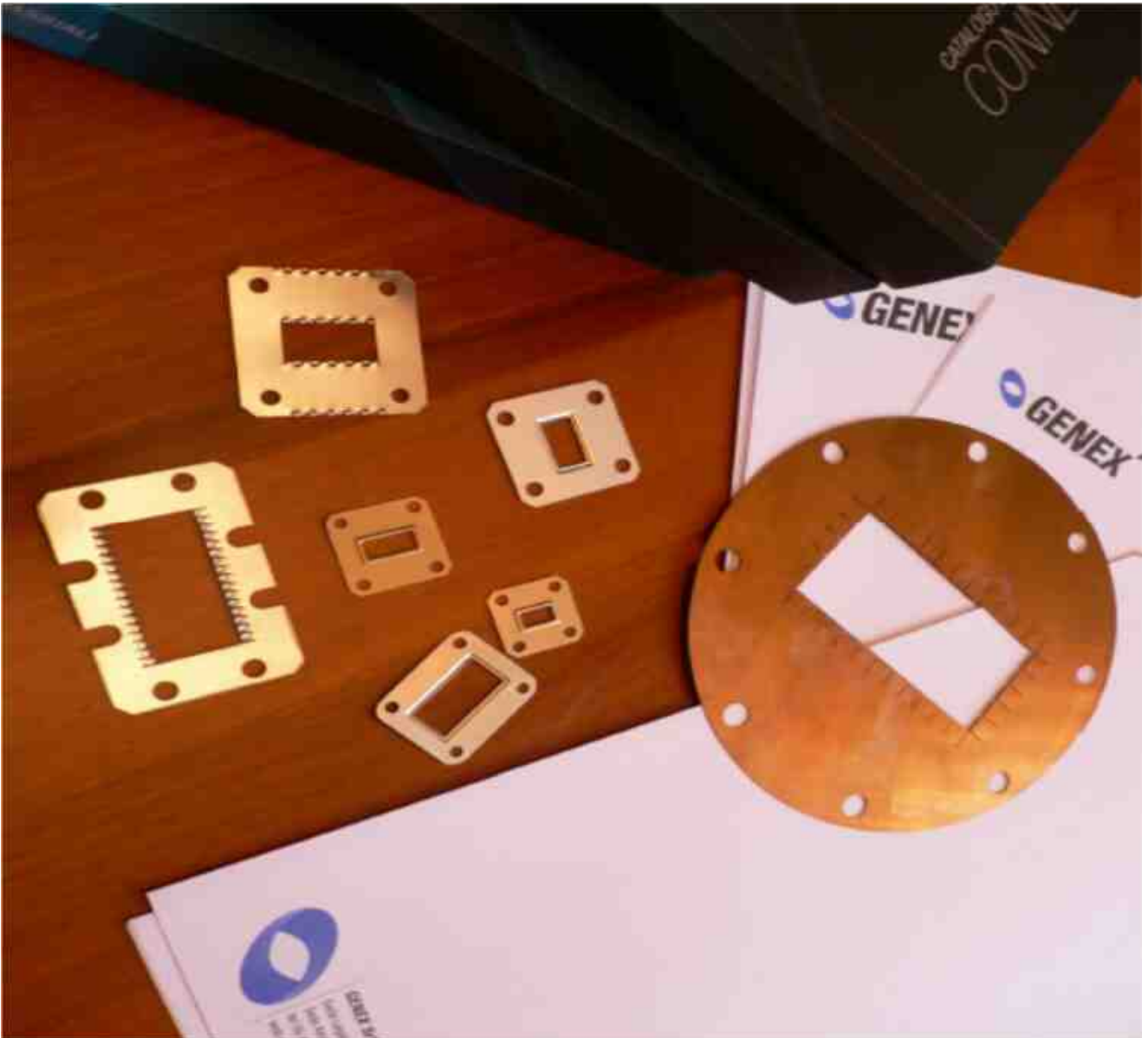
**Fig.22** P/N FLNPDR48



**Fig.23** P/N FLNUDR48

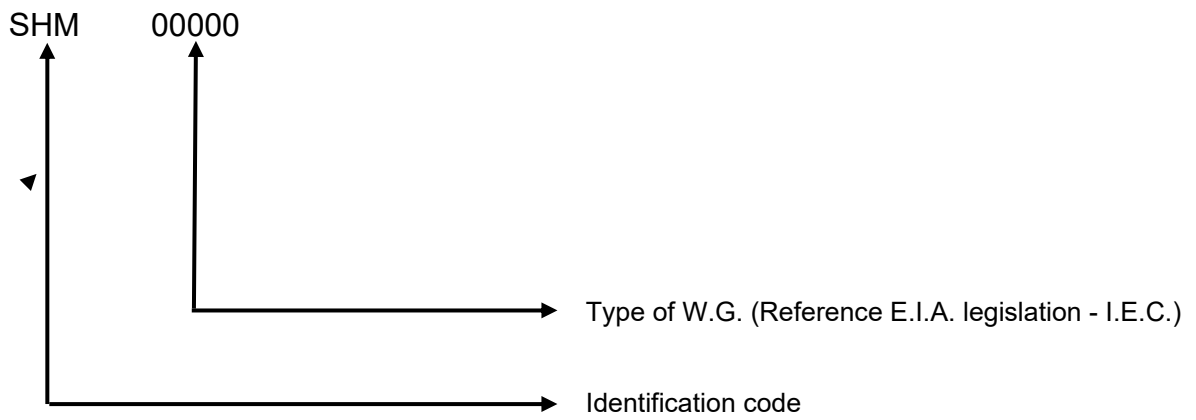
**Fig.24** P/N

# SHIM



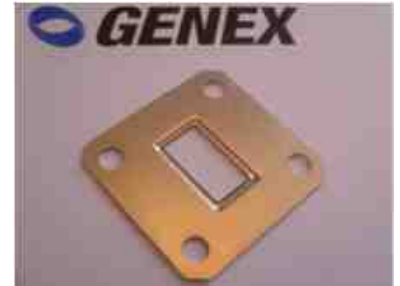
Components described following up represent our standard production. On request is possible produce Shim with different data sheet.

# PART NUMBER GENEX RF SHIM



Ex.: SHMUBR120 = SHIM for square flange UBR120

# SHIM



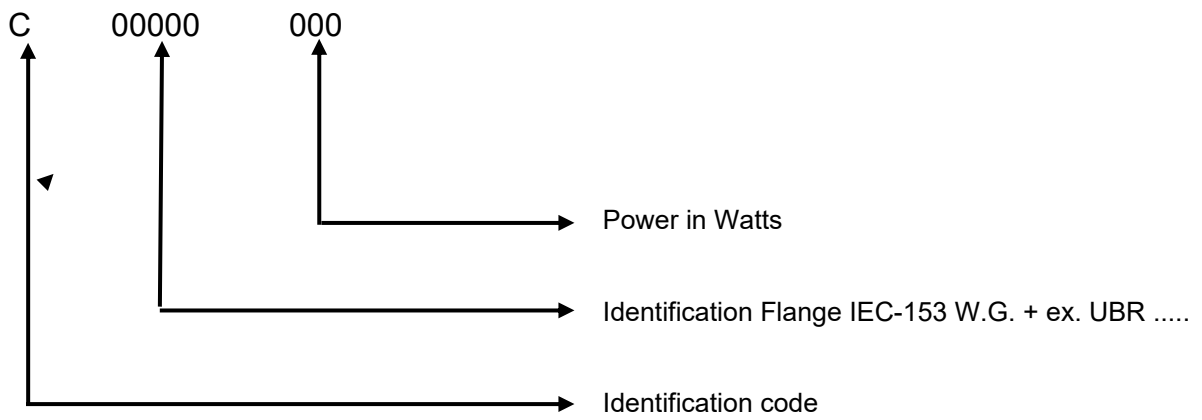
<i>P.N. GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
SMHUBR320	Shim WR28 flange for square planar		
SMHUBR260	Shim WR34 flange for square planar		
SMHUBR220	Shim WR42 flange for square planar		
SMHUBR180	Shim WR51 flange for square planar		
SMHUBR180	Shim WR51 rectangular flange for pressurized planar		
SMHUBR140	Shim WR62 flange for square planar		
SMHUBR140	Shim WR62 rectangular flange for pressurized planar		
SMHUBR120	Shim WR75 flange for square planar		
SMHUBR100	Shim WR90 flange for square planar		
SMHUBR84	Shim for WR112 flange square planar		
SMHUBR70	Shim WR137 rectangular flange for pressurized planar		
SMHUBR70	Shim for WR137 rectangular flange is not pressurized		
SMHUBR48	Shim for WR187 flange round flat		
SMHUBR48	Shim WR187 rectangular flange for pressurized planar		
SMHUBR48	Shim for WR187 rectangular flange is not pressurized		
SMHUBR32	Shim for WR284 flange round flat		

# WAVEGUIDE TERMINATIONS



Components described following up represent our standard production. On request is possible produce Waveguide Terminations with different data sheet.

# PART NUMBER GENEX RF WAVEGUIDE TERMINATIONS



Ex.: CUBR120060 = WR75 flat termination with square flange 60 Watt


# WAVEGUIDE TERMINATIONS

## Termination WR28

<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUBR320010	flat termination with square flange	10 Watts	

## Termination WR42



<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUBR220005 	flat termination with square flange	5 Watts	1
CUBR220010	flat termination with square flange	10 Watts	


## Termination WR51

<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUDR180005	pressurizable flat rectangular flange	5 Watts	



## Termination WR62



<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUBR140005	flat termination with square flange	5 Watts	2
CUBR140060 	flat termination with square flange	60 Watts	3

## Termination WR75

<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUBR120005	flat termination with square flange	5 Watts	4
CUBR120060	flat termination with square flange	60 Watts	5
CUBR120050	flat termination with square flange	50 Watts	6

## Termination WR90

<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUBR100005	flat termination with square flange	5 Watts	

## Termination WR112

<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUBR84005	flat termination with square flange	5 Watts	

## Termination WR137

<i>P/N GENEX RF</i>	<i>Description</i>	<i>Notes</i>	<i>Fig.</i>
CUDR700005	pressurizable flat rectangular flange	5 Watts	

# WAVEGUIDE TERMINATIONS DRAWINGS

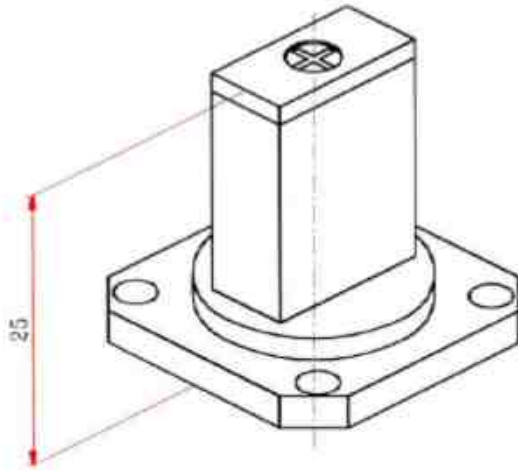
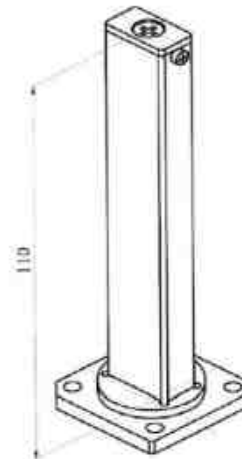


Fig.1

P/N CUBR220005



P/N CUBR140005

Fig.2

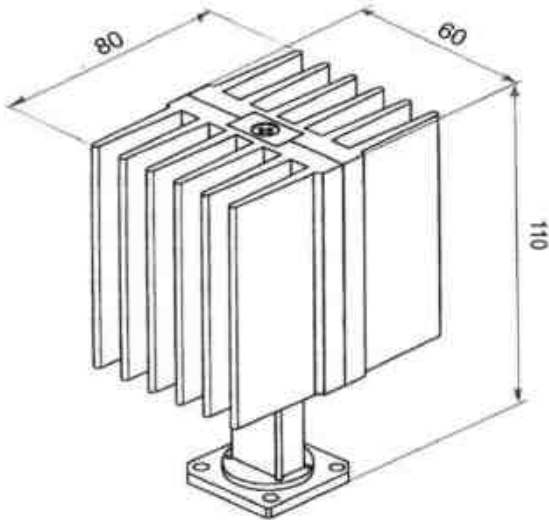
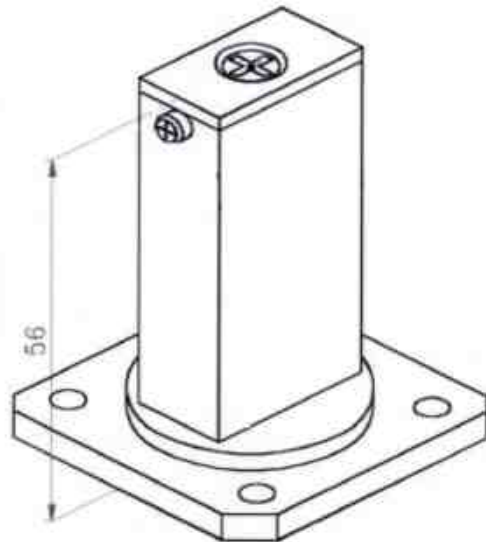


Fig.3

P/N CUBR140060



P/N CUBR120005

Fig.4

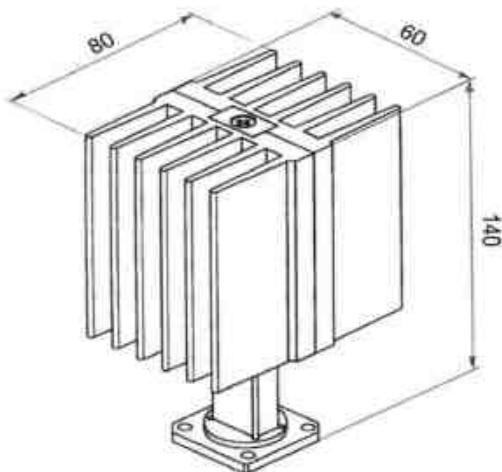
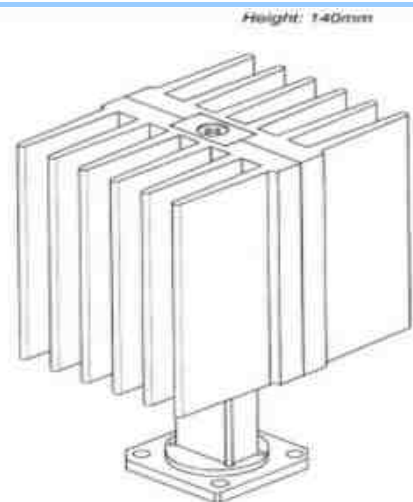


Fig.5

P/N CUBR120060



P/N CUBR120050

Fig.6

# INDEX

## COAXIAL CONNECTORS

P.N. GENEX RF	DESCRIPTION	Page	P.N. GENEX RF	DESCRIPTION	Page
<b>BNC</b>					
<b>FLEXIBLE CABLE CONNECTORS 50Ω / 75Ω</b>			<b>RECEPTACLES WITH SOLDER END 50Ω / 75Ω</b>		
102011	BNC m per RG 8-9-115-213-214	28	102518	BNC m solder contact	32
102017	BNC m per RG 178-196	28	102518HT	BNC m solder contact	32
102035	BNC m per RG 174-188-316	28	102518SHV	BNC m solder contact	32
102056	BNC m per RG 58-141-142-223-303	28	101518	BNC f solder contact	32
102064	BNC m per RG 59-62-71	28	101700	BNC f solder contact	32
102085	BNC m per RG 5-22-212	28	101500HT	BNC f solder contact	32
102064HT	BNC m per RG 59-62-71	28	101700HT	BNC f solder contact	32
1020117TP	BNC m per RG11-13-216	28	101700R	BNC f solder contact	32
102011TP	BNC m per RG 8-9-115-213	28	MR101700LS-B	BNC f solder contact	32
102011TPDS	BNC m per RG 214	28	101407	BNC f solder contact	33
102011TPTW	BNC m per LMR 400/BELDEN 9913	28	101418	BNC f solder contact	33
1020357TP	BNC m per RG 179-187	28	<b>ADAPTERS BNC-BNC</b>		
102035TP	BNC m per RG 174 -188-316	28	1013101	BNC f - BNC f	34
102049TP	BNC m per ST 212	28	1015101	BNC f - BNC f panel mount	34
102056TP	BNC m per RG 58-141-142-223-303	28	1017101	BNC f - BNC f panel mount	34
102064TP	BNC m per RG 59-62-71	28	1023101	BNC m - BNC f	34
1020857TP	BNC m per RG 6	28	1023102	BNC m - BNC m	34
102411	BNC m per RG 8-9-115-213-214	29	1024101	BNC m L: BNC f	34
102456	BNC m per RG 58-141-142-223-303	29	10090111	BNC f - f - f	34
102464	BNC m per RG 59-62-71	29	10090121	BNC f - m - f	34
102485	BNC m per RG 5-6-212	29	10131017	BNC f - BNC f	34
102417TP	BNC m per RG 178-196	29	10151017	BNC f - BNC f panel mount	34
102456TP	BNC m per RG 58-141-142-223-303	29	10171017	BNC f - BNC f panel mount	34
102464TP	BNC m per RG 59-62-71	29	10231027	BNC m - BNC m	34
1024857TP	BNC m per RG 6	29	1017101IS	BNC f - BNC f panel mount isolated	34
101011	BNC f per RG 8-9-115-213-214	29	<b>SHORT</b>		
101056	BNC f per RG 58-141-142-223-303	29	CC1010	Short BNC f	34
101064	BNC f per RG 59-62-71	29	CC1020	Short BNC m	34
101064HT	BNC f per RG 59-62-71	29	<b>PROTECTIVE CAPS</b>		
101064SHV	BNC f per RG 59-62-71	29	T1010	Protective Cap BNC m	35
101011TP	BNC f per RG 8-9 -115-213	30	T1020	Protective Cap BNC f	35
101035TP	BNC f per RG 174 -188 - 316	30	<b>TNC</b>		
101049TP	BNC f per ST 212	30	<b>FLEXIBLE CABLE CONNECTORS 50Ω / 75Ω</b>		
101056TP	BNC f per RG 58-141-142-223-303	30	202011	TNC m per RG 8-9-115-213-214	44
101064TP	BNC f per RG 59-62-71	30	202056B	TNC m per RG 58-141-142-223-303	44
101087TP	BNC f per S04272B Suhner-H155 Belden	30	202011TP	TNC m per RG 8-9-115-213	44
101011TPDS	BNC f per RG 214	30	202011TPDS	TNC m per RG 214	44
101656	BNC f per RG 58-141-142-223-303	30	202035TP	TNC m per RG 174-188-316	44
101664	BNC f per RG 59-62-71	30	202035TPDS	TNC m per RG 316 dual screen	44
101835	BNC f per RG 174-188-316	30	202049TP	TNC m per ST 212	44
101856	BNC f per RG 58-141-142-223-303	30	202056TP	TNC m per RG 58-141-142-223-303	44
101864	BNC f per RG 59-62-71	30	202087TP	TNC m per S04272 Suhner-H155 Belden	44
101617TP	BNC f per RG 178-196	30	202456	TNC m per RG 58-141-142-223-303	44
101835TP	BNC f per RG 174-188-316	30	202411D	TNC m per RG 8-9-115-213-214	44
101856TP	BNC f per RG 58-141-142-223-303	30	202449TP	TNC m per ST 212	45
101864TP	BNC f per RG 59-62-71	30	202456TP	TNC m per RG 58-303	45
<b>SEMIRIGID CABLE CONNECTORS 50Ω / 75Ω</b>			202456TPDSSO	TNC m per RG 223-141-142	45
102023	BNC m per UT.085	31	201056B	TNC f per RG 58-141-142-223-303	45
102036	BNC m per UT.141	31	201056TP	TNC f per RG 58-141-142-223-303	45
101023	BNC f per UT.085	31	201087TP	TNC f per S04272 Suhner - H155 Belden	45
101036	BNC f per UT.141	31	201656	TNC f per RG 58-141-142-223-303	45
101623	BNC f per UT.085	31	201835	TNC f per RG 174-188-316	45
101636	BNC f per UT.141	31	201856	TNC f per RG 58-141-142-223-303	45
101823	BNC f per UT.085	31	201635TP	TNC f per RG 174-188-316	46
101836	BNC f per UT.141	31	MR201635TP	TNC f per RG 174-188-316	46

<i>P.N. GENEX RF</i>	<i>DESCRIPTION</i>	<i>Page</i>	<i>P.N. GENEX RF</i>	<i>DESCRIPTION</i>	<i>Page</i>
<b>CORRUGATED CABLE CONNECTORS 50Ω / 75Ω</b>			302090	N m per GE 18	64
202013	TNC m per 3/8" foam	46	3020117	N m per RG 11-13-216	64
202014	TNC m per 1/4" foam	46	3020227	N m per cavo Ø 22	64
202414	TNC m per 1/4" foam	46	3020857	N m per RG 6	64
<b>SEMIRIGID CABLE CONNECTORS 50Ω / 75Ω</b>			302011B	N m per RG 8-9-115-213-214	64
202023	TNC m per UT.085	47	302011D	N m per RG 8-9-115-213-214	64
202036	TNC m per UT.141	47	302011LV	N m per RG 8-9-115-213-214	64
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CC6810	Short 4.1/9.5 f	287	702012H	DIN 7/16 m per 1/2" superflex	300
CC6820	Short 4.1/9.5 m	287	702012HS	DIN 7/16 m per 1/2" superflex	300
<b>PROTECTIVE CAPS</b>			702012RP DIN 7/16 m per 1/2" foam		
T6810	Protective cap 4.1/9.5 m	287	702013H	DIN 7/16 m per 3/8" superflex	300
T6820	Protective cap 4.1/9.5 f	287	702015A	DIN 7/16 m per 1"5/8 air	300
<b>4.6/16</b>			702015RP DIN 7/16 m per 1"5/8 foam		
<b>FLEXIBLE CABLE CONNECTORS 50Ω / 75Ω</b>			702024R DIN 7/16 m per 1"1/4 radiaflex		
692011	4.6/16 m per RG 11-13-216	291	702078A	DIN 7/16 m per 7/8" air	300
691011	4.6/16 f per RG 11-13-216	291	702078R	DIN 7/16 m per 7/8" radiaflex	300
691411	4.6/16 f per RG 11-13-216	291	702078RP	DIN 7/16 m per 7/8" foam	300
691611	4.6/16 f per RG 11-13-216	291	702412H	DIN 7/16 m per 1/2" superflex	300
<b>CORRUGATED CABLE CONNECTORS 50Ω / 75Ω</b>			702412HS DIN 7/16 m per 1/2" superflex		
6920127	4.6/16 m per 1/2" foam 75 Ω	292	702412RP	DIN 7/16 m per 1/2" foam	300
6920587	4.6/16 m per 5/8" air 75 Ω	292	701012	DIN 7/16 f per 1/2" foam	301
6920787	4.6/16 m per 7/8" foam 75 Ω	292	701014	DIN 7/16 f per 1/4" foam	301
6920127A	4.6/16 m per 1/2" air 75 Ω	292	701078	DIN 7/16 f per 7/8" foam	301
6920147H	4.6/16 m per 1/4" superflex 75 Ω	292	701012H	DIN 7/16 f per 1/2" superflex	301
6920157A	4.6/16 m per 1"5/8 air 75 Ω	292	701012HS	DIN 7/16 f per 1/2" superflex	301
			701012RP	DIN 7/16 f per 1/2" foam	301



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701078RP	DIN 7/16 f per 7/8" foam	301		<b>25/58</b>	
701092R	DIN 7/16 f per 6/8" radiaflex	301	<b>CORRUGATED CABLE CONNECTORS 50Ω / 75Ω</b>		
701612	DIN 7/16 f per 1/2" foam	301	631015	25/58 female contact 1"5/8 foam	322
701614	DIN 7/16 f per 1/4" foam	301	631078	25/58 female contact 1"5/8 foam	322
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701678	DIN 7/16 f per 7/8" foam	301	<b>ADAPTERS 25/58 - 25/58</b>		
701412	DIN 7/16 f per 1/2" foam	301	6324632	25/58 cont. masc. L: 25/58 cont. masc.	322
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701636	DIN 7/16 f per UT.141	302	780011	EIA 7/8" per RG 8-9-115-213-214	326
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701532BD	DIN 7/16 f Bird contact	302	780611	EIA 7/8" per RG 8-9-115-213-214	326
701532CF ...*	DIN 7/16 f contatto filettato M5	302	<b>RIGID LINE FLANGES</b>		
702532BD	DIN 7/16 m Bird contact	303	780032LR	EIA 7/8" rigid line 2"	326
702532CF14	DIN 7/16 m threaded contact 14 mm *	303	<b>CORRUGATED CABLE FLANGES</b>		
701432BD	DIN 7/16 f Bird contact	303	780013	EIA 7/8" per 3/8" foam	327
701432CF	DIN 7/16 m threaded contact M5	303	780014	EIA 7/8" per 1/4" foam	327
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7013701	DIN 7/16 f - DIN 7/16 f	303	780031	EIA 7/8" per 3"1/8 air	327
7017701	DIN 7/16 f - DIN 7/16 f panel mount	303	780038	EIA 7/8" per 3/8" air	327
7023701	DIN 7/16 m - DIN 7/16 f	303	780058	EIA 7/8" per 5/8" air	327
7023702	DIN 7/16 m - DIN 7/16 m	303	7800787	EIA 7/8" per 7/8" foam 75Ω	327
7024701	DIN 7/16 m L: DIN 7/16 f	303	780012H	EIA 7/8" per 1/2" superflex	327
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740078	Flangia DIN 7/16 per 7/8" foam	305	780612	EIA 7/8" per 1/2" foam	328
740438	Flangia DIN 7/16 per 3/8" air	305	780614	EIA 7/8" per 1/4" foam	328
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<b>COUPLERS</b>		
<b>STANDARD DIRECTIONAL COUPLERS</b>		
<b>COUPLER 1 HEAD</b>		
DT30110601	6 dB freq. 0,05-1 GHz	477
DT30110604	6 dB freq. 400-500 MHz	477
DT30110605	6 dB freq. 840-960 MHz	477
DT30110608	6 dB freq. 800-2000 MHz	477
DT30110612	6 dB freq. 450-860 MHz	477
DT30110619	6 dB freq. 800-2200 MHz	477
DT30110620	6 dB freq. 225-400 MHz	477
DT30110622	6 dB freq. 800-2500 MHz	477
DT30110637	6 dB freq. 470-4000 MHz	477
DT30111001	10 dB freq. 0,05-1 GHz	477
DT30111004	10 dB freq. 400-500 MHz	477
DT30111005	10 dB freq. 840-960 MHz	477
DT30111008	10 dB freq. 800-2000 MHz	477
DT30111012	10 dB freq. 450-860 MHz	477
DT30111019	10 dB freq. 800-2200 MHz	477
DT30111020	10 dB freq. 225-400 MHz	477
DT30111022	10 dB freq. 800-2500 MHz	477
DT30111037	10 dB freq. 470-4000 MHz	477
DT30112001	20 dB freq. 0,05-1 GHz	477
DT30112004	20 dB freq. 400-500 MHz	477
DT30112005	20 dB freq. 840-960 MHz	477
DT30112008	20 dB freq. 800-2000 MHz	477
DT30112012	20 dB freq. 450-860 MHz	477
DT30112019	20 dB freq. 800-2200 MHz	477
DT30112020	20 dB freq. 225-400 MHz	477
DT30112022	20 dB freq. 800-2500 MHz	477
DT30112037	20 dB freq. 470-4000 MHz	477
DT30113001	30 dB freq. 0,05-1 GHz	477
DT30113004	30 dB freq. 400-500 MHz	477
DT30113005	30 dB freq. 840-960 MHz	477
DT30113008	30 dB freq. 800-2000 MHz	478
DT30113012	30 dB freq. 450-860 MHz	478
DT30113019	30 dB freq. 800-2200 MHz	478
DT30113020	30 dB freq. 225-400 MHz	478
DT30113022	30 dB freq. 800-2500 MHz	478
DT30113037	30 dB freq. 470-4000 MHz	478
DT30114001	40 dB freq. 0,05-1 GHz	478
DT30114004	40 dB freq. 400-500 MHz	478
DT30114005	40 dB freq. 840-960 MHz	478
DT30114008	40 dB freq. 800-2000 MHz	478
DT30114012	40 dB freq. 450-860 MHz	478
DT30114019	40 dB freq. 800-2200 MHz	478
DT30114020	40 dB freq. 225-400 MHz	478
DT30114022	40 dB freq. 800-2500 MHz	478
DT30114037	40 dB freq. 470-4000 MHz	478
DT70110633	6 dB freq. 300-500 MHz	478
DT70111033	10 dB freq. 300-500 MHz	478
DT70112033	20 dB freq. 300-500 MHz	478
DT70113033	30 dB freq. 300-500 MHz	478
DT70114033	40 dB freq. 300-500 MHz	478
DT701140605	6 dB freq. 840-960 MHz	478
DT701140619	6 dB freq. 800-2200 MHz	478
DT701141005	10 dB freq. 840-960 MHz	478

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DT701141019	10 dB freq. 800-2200 MHz	478	IBR30150	3 dB freq. 150-300 MHz	482
DT701142005	20 dB freq. 840-960 MHz	478	IBR302000	3 dB freq. 1,5-2,5 GHz	482
DT701142019	20 dB freq. 800-2200 MHz	478	IBR303000	3 dB freq. 2,0-3,0 GHz	482
DT701143005	30 dB freq. 840-960 MHz	478	IBR30450	3 dB freq. 380-520 MHz	482
DT701143019	30 dB freq. 800-2200 MHz	478	<b>HYBRID COUPLER SMA</b>		
DT701144005	40 dB freq. 840-960 MHz	478	IBR331000	3 dB freq. 0,5-1,0 GHz	482
DT701144019	40 dB freq. 800-2200 MHz	478	IBR331500	3 dB freq. 0,8-2,0 GHz	482
DT101110137	10 dB freq. 10 -100 MHz	479	<b>HYBRID COUPLER 7/16</b>		
DT7013010633	6 dB freq. 300-500 MHz	479	IBR701000	3 dB freq. 0,5-1,0 GHz	482
DT7013011033	10 dB freq. 300-500 MHz	479	IBR702000	3 dB freq. 1,5-2,5 GHz	482
DT7013012033	20 dB freq. 300-500 MHz	479	<b>IMPEDANCE ADAPTERS</b>		
DT7013013033	30 dB freq. 300-500 MHz	479	<b>IMPEDANCE ADAPTERS 50/75Ω</b>		
DT7013014033	40 dB freq. 300-500 MHz	479	AI30151017	DC/1 GHz	492
DT70210604	6 dB freq. 400-500 MHz	479	AI30253017	DC/1 GHz	492
DT70210605	6 dB freq. 840-960 MHz	479	AI7505750709	80-110 MHz	492
DT70211004	10 dB freq. 400-500 MHz	479	AIR30253017	DC/3 GHz	492
DT70211005	10 dB freq. 840-960 MHz	479	<b>IMPEDANCE ADAPTERS 75/120Ω</b>		
DT70212004	20 dB freq. 400-500 MHz	479	AI302764DSM120	5KHz - 5 MHz	493
DT70212005	20 dB freq. 840-960 MHz	479	AI42117581120	5KHz - 5 MHz	493
DT70213004	30 dB freq. 400-500 MHz	479	AI4217SRR120	5KHz - 5 MHz	493
DT70213005	30 dB freq. 840-960 MHz	479	AI4217SRR120GX	5KHz - 5 MHz	493
DT70214004	40 dB freq. 400-500 MHz	479	AI4227SRR120	5KHz - 5 MHz	493
DT70214005	40 dB freq. 840-960 MHz	479	AI6127M120	30KHz - 100MHz	493
DT78001010	10 dB freq. 1 - 1,7 GHz	479	AI6127SRR120	5KHz - 5 MHz	493
DT78002010	20 dB freq. 1 - 1,7 GHz	479	<b>ANTENNAS</b>		
DT78003010	30 dB freq. 1 - 1,7 GHz	479	ANT30109	Dipole antenna N f	498
DT78004010	40 dB freq. 1 - 1,7 GHz	479	ANT70109	Dipole Antenna DIN 7/16 f	498
<b>COUPLER 2 HEADS</b>			<b>COAXIAL ATTENUATORS</b>		
DT301106052T	6 dB freq. 840-960 MHz	480	<b>ATTENUATORS 50Ω</b>		
DT301106192T	6 dB freq. 800-2200 MHz	480	<b>CONNECTOR BNC (male - female)</b>		
DT301110052T	10 dB freq. 840-960 MHz	480	AT100203	3 dB	502
DT301110192T	10 dB freq. 800-2200 MHz	480	AT100206	6 dB	502
DT301120052T	20 dB freq. 840-960 MHz	480	AT100210	10 dB	502
DT301120192T	20 dB freq. 800-2200 MHz	480	AT100220	20 dB	502
DT301130052T	30 dB freq. 840-960 MHz	480	<b>CONNECTOR TNC (male - female)</b>		
DT301130192T	30 dB freq. 800-2200 MHz	480	AT200203	3 dB	502
DT301140052T	40 dB freq. 840-960 MHz	480	AT200206	6 dB	502
DT301140192T	40 dB freq. 800-2200 MHz	480	AT200210	10 dB	502
DT750010092T	10 dB freq. 80-110 MHz	480	AT200220	20 dB	502
DT750020092T	20 dB freq. 80-110 MHz	480	<b>CONNECTOR SMA (male - female)</b>		
DT750030092T	30 dB freq. 80-110 MHz	480	AT330200	0 dB	502
DT750040092T	40 dB freq. 80-110 MHz	480	AT330203	3 dB	502
DT780010092T	10 dB freq. 80-110 MHz	480	AT330206	6 dB	502
DT780020092T	20 dB freq. 80-110 MHz	480	AT330210	10 dB	502
DT780030092T	30 dB freq. 80-110 MHz	480	AT330220	20 dB	502
DT780040092T	40 dB freq. 80-110 MHz	480	MM13078	6 dB	502
DT750060012T	65 40 60 dB freq. 47- 860 MHz	480	<b>CONNECTOR N (male - female)</b>		
<b>DIRECTIONAL COUPLERS OF MISURE</b>			AT300203	3 dB	503
DT30112021M	20 dB freq. 4-10 GHz	481	AT300206	6 dB	503
DT30112002M	20 dB freq. 0,3-1,5 GHz	481	AT300210	10 dB	503
DT30112003M	20 dB freq. 0,6-2,2 GHz	481			
<b>HYBRID COUPLERS</b>					
<b>HYBRID COUPLER N</b>					
IBR301000	3 dB freq. 0,5-1,0 GHz	482			
IBR301000P	3 dB freq. 0,5-1,0 GHz	482			

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AT300220	20 dB	503	<b>POWER SPLITTERS</b>		
AT300503	3 dB	503	<b>RESISTIVE POWER SPLITTERS</b>		
AT300506	6 dB	503	DPR2011X2511	0,03 - 2,5 GHz	516
AT300510	10 dB	503	DPR3011X2511	0,03 - 2,5 GHz	516
AT300520	20 dB	503	DPR3021X2511	0,03 - 2,5 GHz	516
AT300530	30 dB	503	DPR3311X2537	0,47 - 4,0 GHz	516
AT3010003	3 dB	503	DPR3311X2543	DC - 7,0 GHz	516
AT3010006	6 dB	503	DPR3311X4511	DC - 2,5 GHz	516
AT301003	3 dB	503	DPR3311X4537	0,47 - 4,0 GHz	516
AT301006	6 dB	503	<b>INDUCTIVE POWER SPLITTERS</b>		
AT301010	10 dB	503	DPI1011X4701	0,05 - 1,0 GHz	517
AT301020	20 dB	503	DPI2011X8511	0,03 - 2,5 GHz	517
AT301030	30 dB	503	DPI3011X2522	800-2500 MHz	517
AT3015010	10 dB	503	DPI3011X2544	3,4 - 3,6 GHz	517
AT3015020	20 dB	503	DPI3011X3522	800-2500 MHz	517
AT302003	3 dB	503	DPI3011X3544	3,4 - 3,6 GHz	517
AT302006	6 dB	503	DPI3011X4522	800-2200 MHz	517
AT302010	10 dB	503	DPI3011X4544	3,4 - 3,6 GHz	517
AT302020	20 dB	503	DPI3021X2505	840 -960 MHz	517
AT302030	30 dB	503	DPI6121X2717	DC - 200 MHz	517
AT305003	3 dB	503	DPI6121X2717R	DC - 200 MHz	517
AT305006	6 dB	503	DPI7011X2522SG	800-2500 MHz	517
AT305010	10 dB	503	DPI7011X3522SG	800-2200 MHz	517
AT305020	20 dB	503	DPI7011X3522SGDR	800-2200 MHz	517
AT305030	30 dB	503	DPI7011X4522SGDR	800-2500 MHz	517
<b>CONNECTOR DIN 7/16 (male - female)</b>			DPI7800X2509	80 -110 MHz	517
AT700503	3 dB	504	DPI7800X25092S	80 -110 MHz	517
AT700506	6 dB	504	DPI7800X2509U	80 -110 MHz	517
AT700510	10 dB	504	DPI780301X2509	80 -110 MHz	517
AT700520	20 dB	504	DPI780301X4509	80 -110 MHz	517
AT700530	30 dB	504	DPI780301X45092S	80 -110 MHz	517
<b>ATTENUATORS 75Ω</b>			DPI780301X6509	80 -110 MHz	517
<b>CONNECTOR BNC (male - female)</b>			DPI780301X65092S	80 -110 MHz	517
AT1002037	3 dB	504	DPI780301X85092S	80 -110 MHz	517
AT1002067	6 dB	504	DPI780701X2509	80 -110 MHz	517
AT1002107	10 dB	504	DPI780701X2509U	80 -110 MHz	517
AT1002207	20 dB	501	DPI780701X25123S	450 - 860 MHz	517
<b>CONNECTOR N (male - female)</b>			DPI780701X45123S	450 - 860 MHz	517
AT3002037	3 dB	505	<b>CAPTIVE POWER SPLITTERS (TAPPERS)</b>		
AT3002067	6 dB	505	DPC3011X2522A	800-2500 MHz	518
AT3002107	10 dB	505	DPC3011X2522B	800-2500 MHz	518
AT3002207	20 dB	505	DPC3011X2522C	800-2500 MHz	518
<b>CONNECTOR 1.6/5.6 (male - female)</b>			DPC3011X2548A	700-2700 MHz	518
AT610203	3 dB	505	DPC7011X2522A	800-2500 MHz	518
AT610206	6 dB	505	DPC7011X2522B	800-2500 MHz	518
AT610210	10 dB	505	DPC7011X2522C	800-2500 MHz	518
AT610220	20 dB	505	DPC7021X2522A	800-2500 MHz	518
<b>AUDIO ATTENUATORS 600Ω</b>			DPC7021X2522B	800-2500 MHz	518
ATA0202	2 dB	506	DPC7021X2522C	800-2500 MHz	518
ATA0203	3 dB	506	<b>FILTERS</b>		
<b>DC BLOCK</b>			<b>DUPLEXER FILTERS</b>		
DCB30115IE28	4 - 1000 MHz	512	FTD30124	850 - 2200 MHz	530
DCB30117IE27	4 - 2000 MHz	512	FTD70124	800 - 2200 MHz	530
DCB302010IE	200 - 3000 MHz	512	<b>PASS BAND FILTERS</b>		
			FT3005PB06	840 - 960 MHz	530



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<b>LIGHTNING/EMP PROTECTORS</b>					
EM1017101	EMP Protector BNC f - BNC f	534			
EM2017201	EMP Protector TNC f - TNC f	534			
EM3017301	EMP Protector N f - N f	534			
EM3317301	EMP Protector SMA f - N f	534			
EM7017701	EMP Protector DIN 7/16 f - DIN 7/16 f	534			
EM7023701	EMP Protector DIN 7/16 m - DIN 7/16 f	534			
EM750775JS	EMP Protector EIA 1" 5/8	534			
EM750775RX	EMP Protector EIA 1" 5/8	534			
<b>COAXIAL TERMINATIONS 50Ω / 75Ω</b>					
<b>TERMINATIONS 50Ω / 75Ω</b>					
<b>BNC MALE CONNECTOR</b>					
C1020501	DC/1,5 GHz	540			
C1020701	DC/1,0 GHz	540			
C1020705	DC/500 MHz	540			
<b>SMA MALE CONNECTOR</b>					
C3320501	DC/12 GHz	540			
C3320501LV	DC/18 GHz	540			
C33205150141Flex	DC/ 4 GHz	540			
C33245150141Flex	DC/ 4 GHz	540			
<b>SMA FEMALE CONNECTOR</b>					
C3310501LV	DC - 18 GHz	540			
C3310505	DC - 12 GHz	540			
<b>TNC MALE CONNECTOR</b>					
C2020502	DC/12 GHz	541			
C2020505	DC/11 GHz	541			
C2020515	DC/ 4 GHz	541			
<b>N MALE CONNECTOR</b>					
C3020501	DC/12 GHz	541			
C3020501LV	DC/10 GHz	541			
C3020505	DC/4 GHz	541			
C3020515	DC/7 GHz	541			
C30205150	DC/4 GHz	541			
C3020520LV	DC/18 GHz	541			
C30205250	DC/3 GHz	541			
C3020540	DC/4 GHz	541			
C3020560	DC/4 GHz	541			
C3020560LV	DC/6 GHz	541			
C3020702	DC/2 GHz	541			
<b>N FEMALE CONNECTOR</b>					
C3010501	DC/10 GHz	542			
C3010501LV	DC/12 GHz	542			
C3010505	DC/4 GHz	542			
C3010515	DC/7 GHz	542			
C30105150	DC/4 GHz	542			
C3010520LV	DC/18 GHz	542			
C30105250	DC/2 GHz	542			
C3010540	DC/4 GHz	542			
C3010560	DC/4 GHz	542			
C3010702	DC/2 GHz	542			
<b>4.1/9.5 MALE CONNECTOR</b>					
C6820502	DC/11 GHz	542			
<b>4.1/9.5 FEMALE CONNECTOR</b>					
C6810502	DC/11 GHz	542			
<b>1.0/2.3 MALE CONNECTOR</b>					
C4220701	DC/1,0 GHz	543			
<b>1.6/5.6 MALE CONNECTOR</b>					
C6120701	DC/1,0 GHz	543			
<b>4.6/16 MALE CONNECTOR</b>					
C6920705	DC/2 GHz	543			
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C7800502	DC/1,5 GHz	543			
C7800515	DC/3,0 GHz	543			
C78005150	DC/1 GHz	543			
<b>DIN 7/16 MALE CONNECTOR</b>					
C7020505	DC/7 GHz	544			
C7020515	DC/7 GHz	544			
C70205150	DC/2 GHz	544			
C7020525	DC/4 GHz	544			
C70205250	DC/3 GHz	544			
C7020560	DC/2,5 GHz	544			
<b>DIN 7/16 FEMALE CONNECTOR</b>					
C7010505	DC/4 GHz	544			
C7010515	DC/7 GHz	544			
C70105150	DC/2 GHz	544			
C70105250	DC/2 GHz	544			
C7010560	DC/2,5 GHz	544			
<b>FLANGE DIN 7/16 CONNECTOR</b>					
C7400525	DC/7 GHz	544			
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<b>N MALE CONNECTOR</b>					
CD3020525-1	DC -1200 MHz	553			
CD3020525-2	DC -1200 MHz	553			
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<b>WAVEGUIDE DIRECTIONAL COUPLERS</b>					
DTWR2800●●X	26,5-40 GHz	561			
DTWR4200●●X	17,5-26,5 GHz	561			
DTWR5100●●X	14,5-22 GHz	561			
DTWR625001X	11,9-18 GHz	561			
DTWR6200●●X	11,9-18 GHz	561			
DTWR6200●●X	11,9-18 GHz	561			
DTWR755001X	9,5-15 GHz	561			
DTWR7500●●X	9,5-15 GHz	561			
DTWR751503X	9,5-15 GHz	561			
DTWR755000X	9,5-15 GHz	561			
DTWR9000●●X	8,2-12,5 GHz	561			
DTWR9000●●X	8,2-12,5 GHz	561			
DTWR9000●●X	8,2-12,5 GHz	561			
DTWR1122001X	6,5-10 GHz	561			
DTWR112000●●X	6,5-10 GHz	561			
DTWR112000●●X	6,5-10 GHz	561			
DTWR137000●●X	5,4-8 GHz	561			
DTWR137000●●X	5,4-8 GHz	561			
DTWR159000●●X	4,5-7 GHz	561			
DTWR187000●●X	4-6 GHz	561			
DTWR229000●●X	3,2-5 GHz	561			
<b>WAVEGUIDE/CABLE ADAPTERS</b>					
TGOUBR3209010	WR28 - K f	555			
TGOUBR2609010	WR34 - K f	555			



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TGOUBR2209520	WR42 - PC3.5 m	555	UER58-UDR70	da WR 159 a ....	575
TGOUBR2209510LV	WR42 - PC3.5 f prec.	555	<b>DOUBLE-RIDGE ADAPTERS</b>		
TGOUBR2209520LV	WR42 - PC3.5 m prec.	555	WRD650-CBR100	WRD650-WR90	576
TGOUDR1803310	WR51 - SMA f	555	WRD650-CBR120	WRD650-WR75	576
TGOUBR1403310	WR62 - SMA f	555	WRD650-CBR84	WRD650-WR112	576
TGOCBR1402010	WR62 - TNC f	555	WRD750-CBR100	WRD750-WR90	576
TGOUBR1403010	WR62 - N f	555	WRD750-UBR92	WRD750-WR102	576
TGOUBR1203310LV	WR75 - SMA f	555	WRD750-UBR180	WRD750-WR51	576
TGOUBR1203010	WR75 - N f	555	WRD750-UBR100	WRD750-WR90	576
TGOCBR1003310	WR90 - SMA f	555	WRD750-UBR120	WRD750-WR75	576
TGOUBR1003010	WR90 - N f	555	<b>FLANGE ADAPTERS FROM... FLANGE ...</b>		
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TGOUDR1003010	WR90 - N f	555	UDR180-UBR180	WR51	577
TGOUBR1003310	WR90 - SMA f	555	PDR140-UBR140	WR62	577
TGOUBR843010	WR112 - N f	555	PDR140-PBR140	WR62	577
TGOUDR703310	WR137 - SMA f	555	UDR140-PBR140	WR62	577
TGOCPR703010	WR137 - N f	555	PBR140-UBR140	WR62	577
TGOPDR703010	WR137 - N f	555	UDR140-UBR140	WR62	577
TGOUDR703010	WR137 - N f	555	UDR120-PBR120	WR75	578
TGOUER703010	WR137 - N f	555	UAR120-UBR120	WR75	578
TGOUER703020	WR137 - N m	555	UDR120-UBR120	WR75	578
TGOUDR703310CM	WR137 - SMA f	555	PDR120-UDR120	WR75	578
TGOUDR583010	WR159 - N f	555	PBR120-UBR120	WR75	578
TGOUDR583310	WR159 - SMA f	555	PDR100-UBR100	WR90	578
TGOUDR483010	WR187 - N f	555	PDR84-UBR84	WR112	578
TGOUER403010	WR229 - N f	555	UAR70-UER70	WR137	579
TGOUDR403010	WR229 - N f	555	CAR48-PDR48	WR187	579
TGOUAR323010	WR284 - N f	555	<b>QUICK FLANGES</b>		
TGOUDR323010	WR284 - N f	556	RPBR120-UBR120	WR75	579
TGOUDR263010	WR340 - N f	556	<b>WAVEGUIDE JUNCTIONS</b>		
TGOUDR227500	WR430 - EIA 1" 5/8	556	PBR320-PBR320/5	WR28	580
TGOUDR183010	WR510 - N f	556	PBR220-PBR220/5	WR42	580
TGOUDR143010	WR650 - N f	556	PBR120-PBR120/6	WR75	580
			UBR120-UBR120/6	WR75	580
			UBR120-UDR120/50	WR75	580
			PBR100-PBR100/6	WR90	580
			PBR84-PBR84/6	WR112	580
			UBR84-UBR84/6	WR112	580
			UDR84-PBR84/35	WR112	580
			UDR84-UDR84/65	WR112	580
			UDR84-PBR84/100	WR112	580
			UDR84-PBR84	WR112	580
			UDR70-UDR70/10	WR137	580
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			PBR120-PR-UBR120/16	WR75	581
			PBR120-PR-UBR120/62	WR75	581
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UBR220-PBR180	da WR 42 a ....	573			
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UBR220-PBR180	da WR 51 a ....	573			
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GENEX RF s.r.l.

Via Torre Sant'Eusebio, 144  
00131 Roma

06.4193704/6  
06.25496269

info@genexrf.it  
www.genexrf.it



ebay