GENEX RF

CATALOGUE 2022

COAXIAL CONNECTORS AND R.F. CONNECTORS

SUBJECT INDEX

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 costumer 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

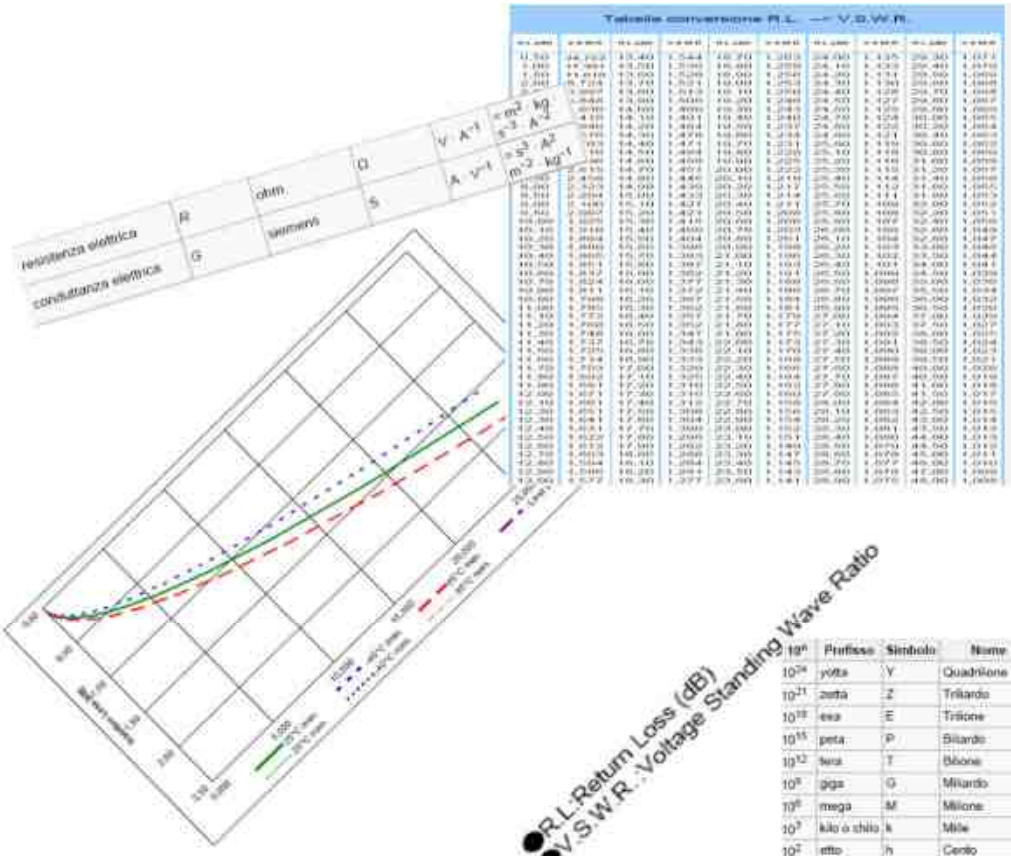
OUR OFFICES

UNI EN ISO9001
N° 5170.GEN2

GENEX RF

Certified Quality from 0 to 40 GHz

TECHNICAL INFORMATION



resistenza elettrica	R	ohm	Ω	$V \cdot A^{-1}$	$= m^2 \cdot kg \cdot s^{-3} \cdot A^{-2}$
conduttanza elettrica	G	siemens	S	$A \cdot V^{-1}$	$= s^3 \cdot A^2 \cdot m^{-2} \cdot kg^{-1}$

energia, lavoro, calore	E, O	joule	J	N · m	$= kg \cdot m^2 \cdot s^{-2}$
potenza, flusso radiante	P, W	watt	W	$J \cdot s^{-1}$	$= kg \cdot m^2 \cdot s^{-3}$
carica elettrica	q	coulomb	C	A · s	
potenziale elettrico, forza elettromotrice, tensione elettrica	V, E	volt	V	$J \cdot C^{-1}$	$= m^2 \cdot kg \cdot s^{-3} \cdot A^{-1}$
resistenza elettrica	R	ohm	Ω	$V \cdot A^{-1}$	$= m^2 \cdot kg \cdot s^{-3} \cdot A^{-2}$
conduttanza elettrica	G	siemens	S	$A \cdot V^{-1}$	$= s^3 \cdot A^2 \cdot m^{-2} \cdot kg^{-1}$
capacità elettrica	C	farad	F	$C \cdot V^{-1}$	$= s^4 \cdot A^2 \cdot m^{-2} \cdot kg^{-1}$
densità flusso magnetico	B	tesla	T	$V \cdot s \cdot m^{-2}$	$= kg \cdot s^{-2} \cdot A^{-1}$
flusso magnetico	Φ(fi)	weber	Wb	V · s	$= m^2 \cdot kg \cdot s^{-2} \cdot A^{-1}$
induttanza	L	henry	H	$V \cdot s \cdot A^{-1}$	$= m^2 \cdot kg \cdot s^{-2} \cdot A^{-2}$
temperatura	T	grado Celsius	°C	$t/°C = T/K - 273,15$	

10^n	Prefisso	Simbolo	Nome	Equivalente decimale
10^{24}	yotta	Y	Quadrilione	1 000 000 000 000 000 000 000 000
10^{21}	zetta	Z	Triliardo	1 000 000 000 000 000 000 000
10^{18}	exa	E	Trilione	1 000 000 000 000 000 000
10^{15}	peta	P	Biliardo	1 000 000 000 000 000
10^{12}	tera	T	Bilione	1 000 000 000 000
10^{9}	giga	G	Miliardo	1 000 000 000
10^{6}	mega	M	Milione	1 000 000
10^{3}	kilo o chilo	k	Mille	1 000
10^{2}	etto	h	Cento	100
10	deca	da	Dieci	10
10^{-1}	deci	d	Decimo	0,1
10^{-2}	centi	c	Centesimo	0,01
10^{-3}	milli	m	Millesimo	0,001
10^{-6}	micro	µ	Milionesimo	0,000 001
10^{-9}	nano	n	Miliardesimo	0,000 000 001
10^{-12}	pico	p	Bilionesimo	0,000 000 000 001
10^{-15}	femto	f	Biliardesimo	0,000 000 000 000 001
10^{-18}	atto	a	Trilionesimo	0,000 000 000 000 000 001
10^{-21}	zepto	z	Triliardesimo	0,000 000 000 000 000 000 001
10^{-24}	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	37,20	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.

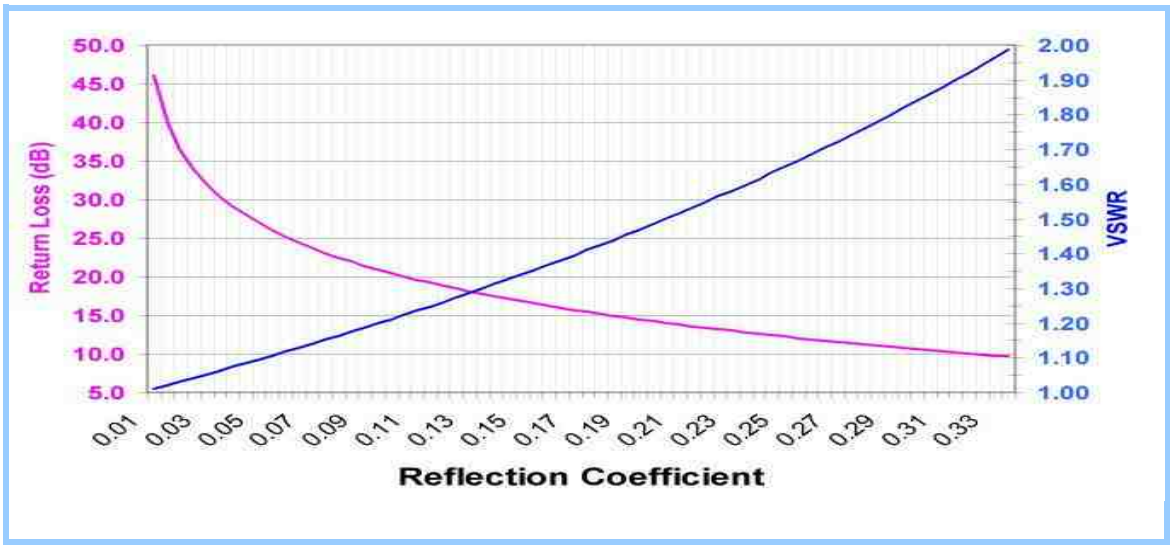
R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R	R.L (dB)	V.S.W.R
0,50	34,753	13,40	1,544	18,70	1,263	24,00	1,135	29,30	1,071
1,00	17,391	13,50	1,536	18,80	1,259	24,10	1,133	29,40	1,070
1,50	11,610	13,60	1,528	18,90	1,256	24,20	1,131	29,50	1,069
2,00	8,724	13,70	1,521	19,00	1,253	24,30	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

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

- 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 divice 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)

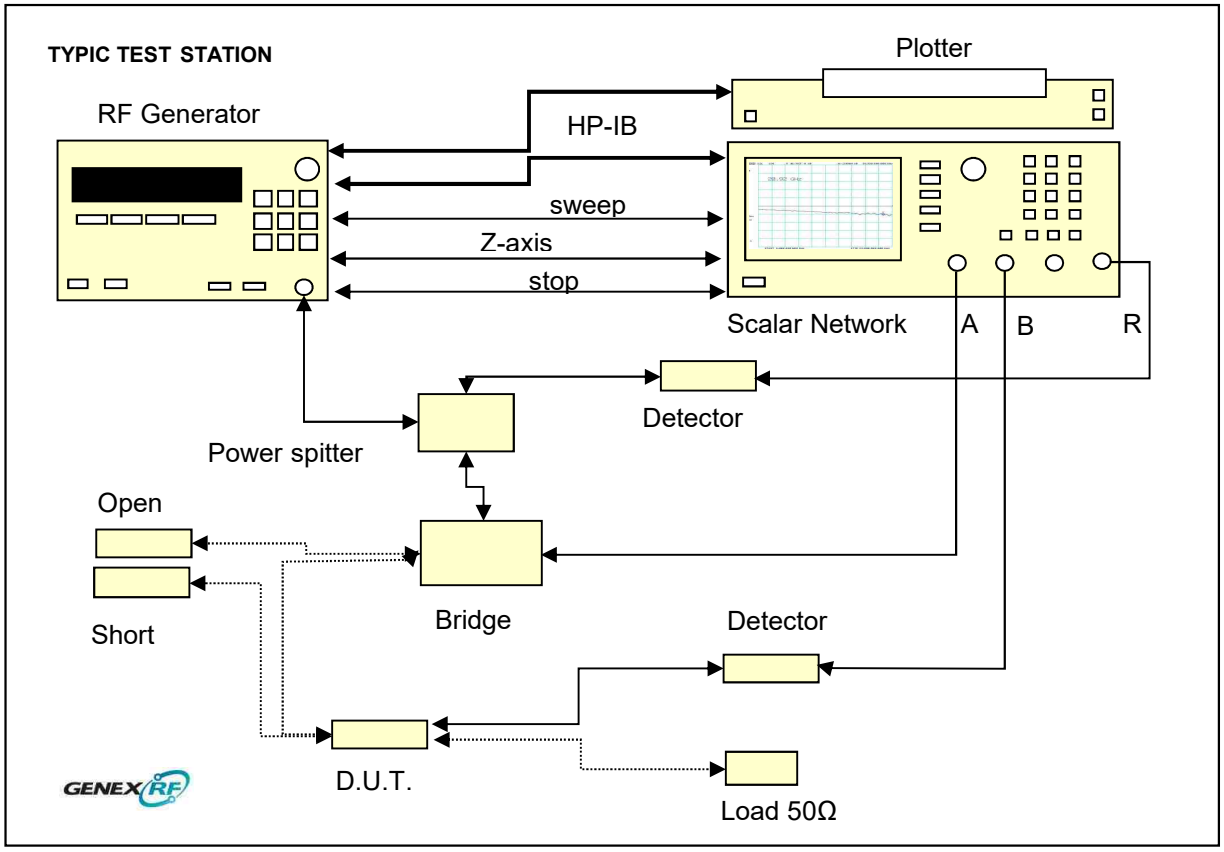
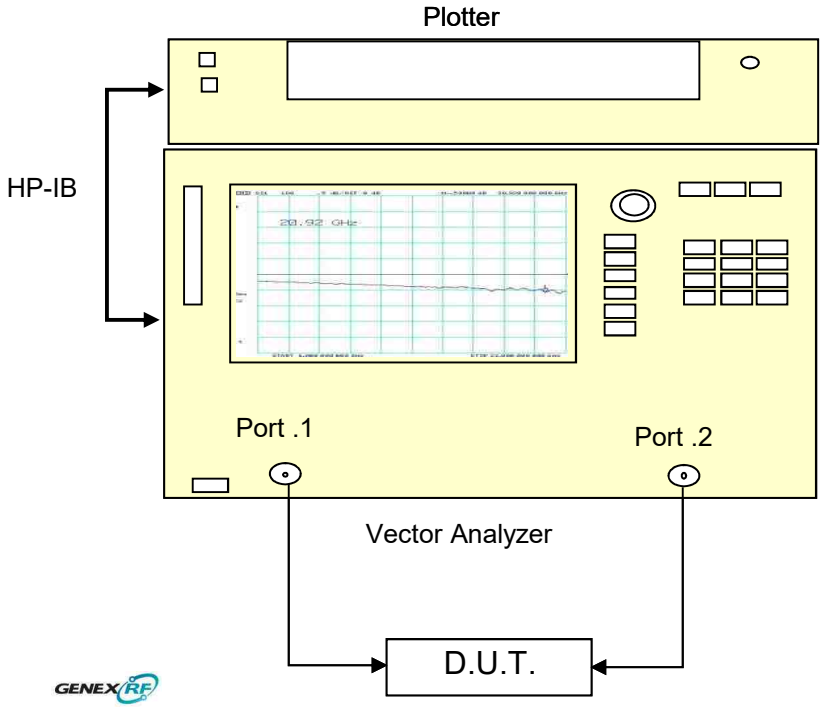
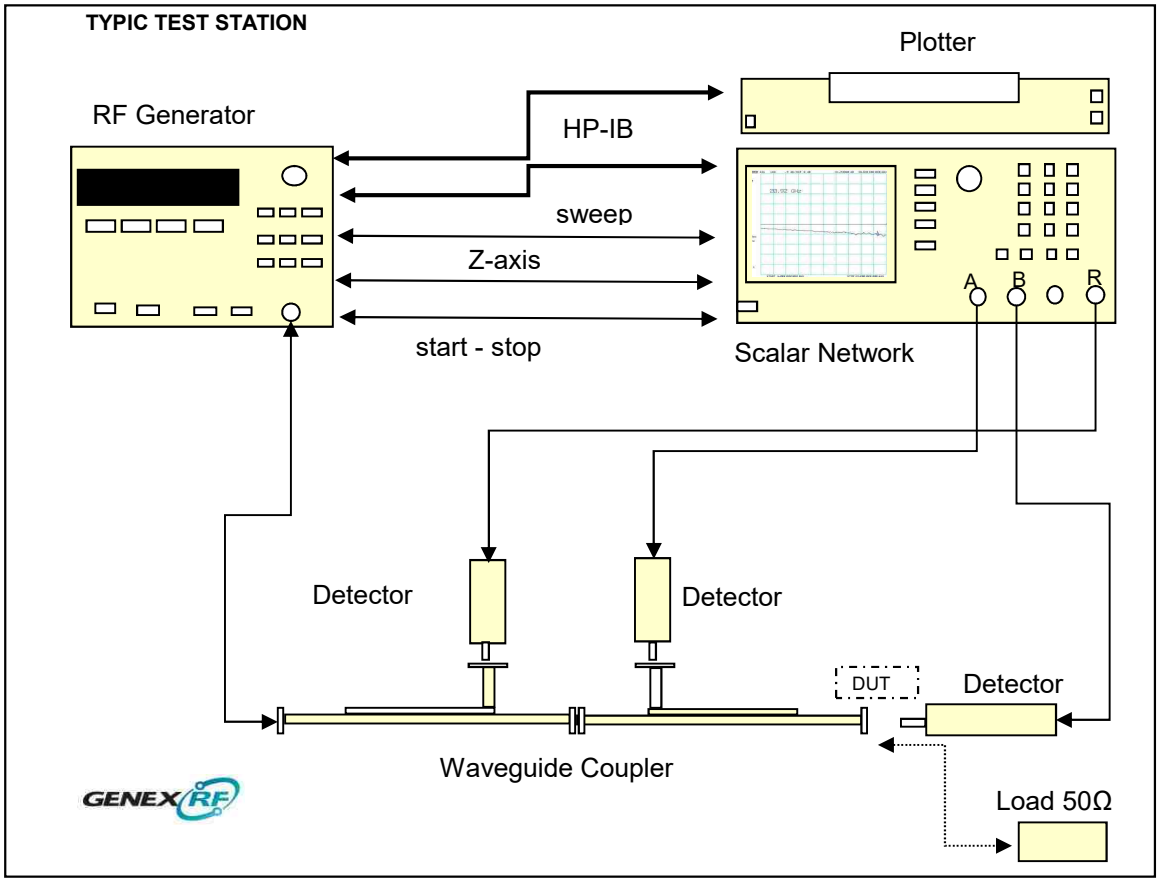


Fig. 1

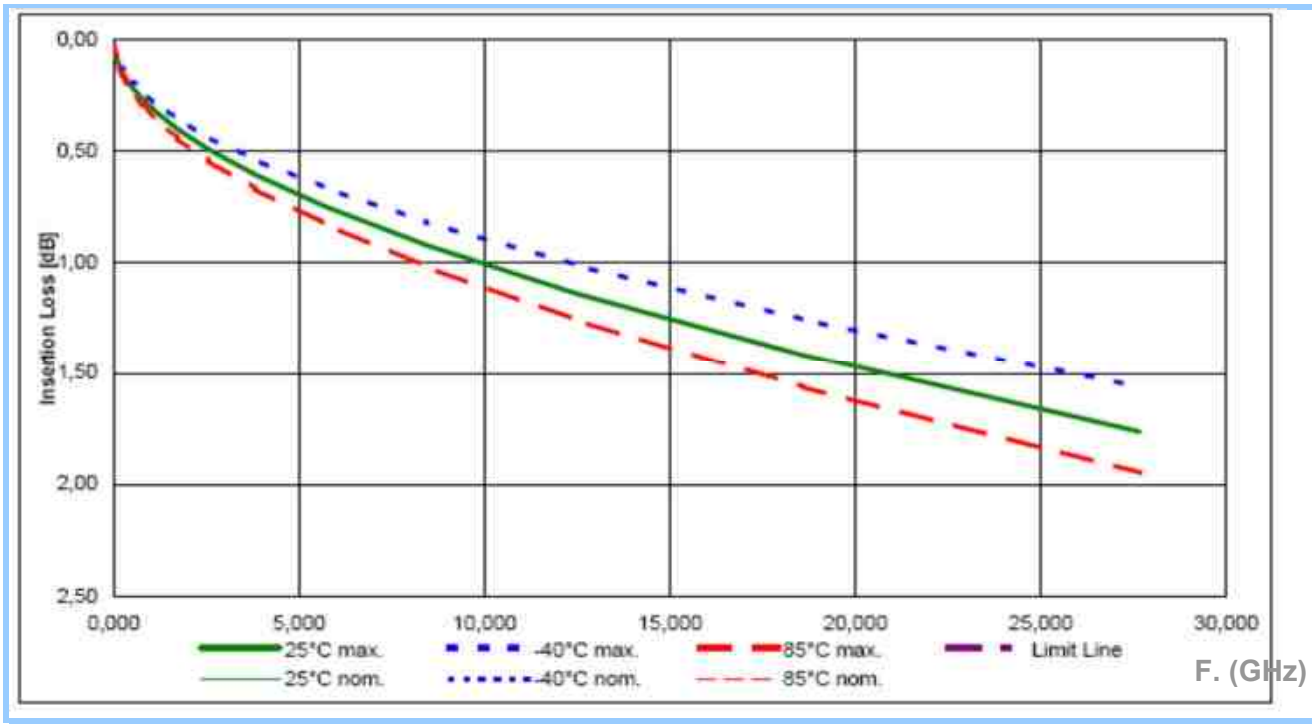
VECTORIAL NETWORK ANALYZER FOR COAXIAL CABLES MEASUREMENT OF INSERTION LOSS AND REFLECTION LOSS (I.L/R.L)



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
10^{18}	exa	E		1.000.000.000.000.000.000
10^{15}	peta	P		1.000.000.000.000.000
10^{12}	tera	T		1.000.000.000.000
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	µ		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 (Ω)	APPLICATION
BMA	Blin Mate	22 GHz	50Ω	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 Ω 75 Ω	Excellent low ROS connector, envolved 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 Ω 75 Ω	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 Ω	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 Ω	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 Ω	C = screw retain, B = catch retain Very similar between theirs, they are used mainly for indoor use and in restricted area.
SMC		8 GHz	50 Ω	
SMS		4 GHz	50 Ω	With sliding retain, they are used very little and there isn't standard specification
SMZ		1 GHz	75 Ω	These are often imployment in the IF of radio bridge, now they're out of use
SSMA		35 GHz	50 Ω	It's lightly smaller than SMA type, now it's used just a little.
SSMB		4 GHz	50 Ω	It's lightly smaller than SMB type.
C	Concelman (inventor)	11 GHz	50 Ω	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.

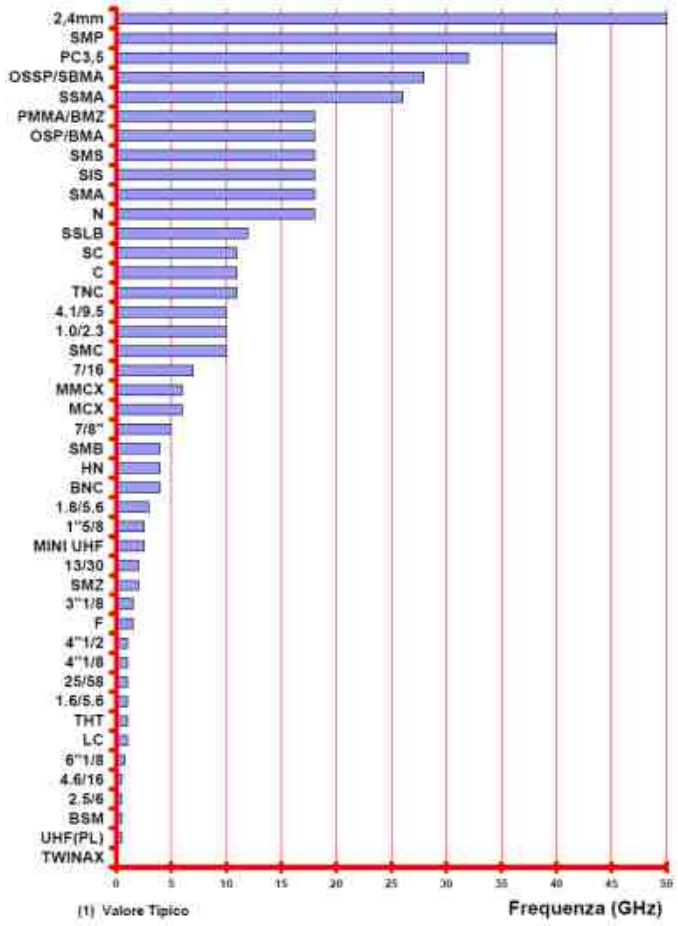
COAXIAL CONNECTORS
(features,stories and curiosities)

NAME	Name meaning (inventor)	Max Freq. typical	Z (Ω)	APPLICATION
APC7		18 GHz	50 Ω	Developed in '60 years, its only particular is sexless, join without prenetration but front contact of the internal pin.
PC7				
7mm				
HN		4 GHz	50 Ω	It's like an for high voltage for indoor and military use.
SC		11 GHz	50 Ω	
SHV	Safe High voltage		50 Ω	Bayonet coupling, high voltage 5 Kv dc
TNC	Threaded N.Concelman	11 - 12 GHz	50 Ω 75 Ω	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 Ω	Pressure connection, telecomunication use, small size and low cost.
1.6 - 5.6		1 GHz	75 Ω	Pressure connection, telecomunication use.
7 - 16		5 - 7 GHz	60 Ω	Born in Europe for power broadcast applications, outdoor use. It's used for radio base station.
4.6 -16		500 MHz	75 Ω	
4.1 -9.5		10 GHz	50 Ω	It's like an 7/16, with small size but its use is limited.
LC		1 GHz	50 Ω	Large size for high power, replaced by 7/16 for military use.
1 mm		110 GHz	50 Ω	Developed by Agilent late '80 years.
V		65 GHz	50 Ω	Developed by Wiltron '80 years.
1.85 mm		65 GHz	50 Ω	Developed by HP '80 years.
2.4 mm		50 GHz	50 Ω	HP - Amphenol
OS-2.4		50 GHz	50 Ω	OS = Omni Spectra now MaCom.
2.92 mm		40 - 46 GHz	50 Ω	Generic name, show the same product called K only by Wiltron (or SMK).
K			50 Ω	
3.5 mm		32 GHz	50 Ω	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 Ω	Large dimensions for high power since 7/8" to 6" always used with pressurizzed 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	●						●

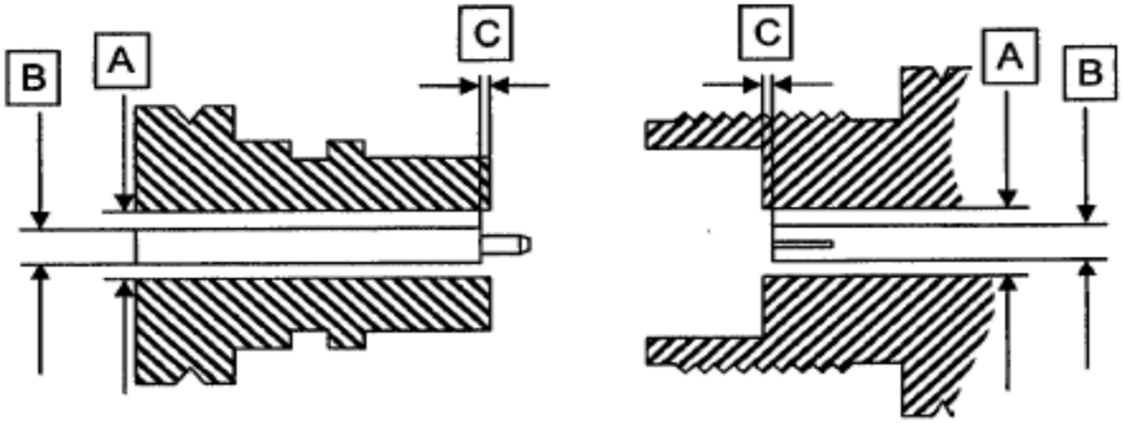
FREQUENCY RANGE (1)
CONNECTOR SERIES



Typical Value

Frequency

MECHANICAL COMPATIBILITY BETWEEN CONNECTORS



A = **OUTER DIAMETER OF CENTRAL CONDUCTOR**

B = **INNER DIAMETER OF CENTRAL CONDUCTOR**

The inner conductor (Ø) in reference to the center conductor (Ø), 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 lenght 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(*)	3.5 mm	2.92mm	K	2.4 mm
SMA(*)	●	●	●	●	
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

Example:

ELT/MR/KS	10	2	0	56	TP
	= BNC	plug	straight	for cable RG 58	crimp

- TP → Suffix
- 56 → Cable type/size panel flange
- 0 → Configuration
- 2 → Contact Plug (M) /Jack (F)
- 10 → RF connector series
- ELT/MR/KS → Only custom

CONNECTORS SERIES

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

ELECTRICAL CONTACT

1	JACK/FEMALE
2	PLUG/MALE

CONFIGURATION

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

CABLE TYPE

00	SOLDER CONTACT	
11	RG 8-9-115-213-214-225-393	50 Ω
11TW	LMR400-BELDEN 9913	50 Ω
117	RG 11-13-216	75 Ω
12	1/2” FOAM	50 Ω
12H	1/2” SUPERFLEX	50 Ω
12HFX	1/2” FLEX (no corrugated)	50 Ω
127	1/2” FOAM	75 Ω
127H	1/2” SUPERFLEX	75 Ω
12A	1/2” AIR	50 Ω
127A	1/2” AIR	75 Ω
13	3/8” FOAM	50 Ω
13H	3/8” SUPERFLEX	50 Ω
14	1/4” FOAM	50 Ω
14H	1/4” SUPERFLEX	50 Ω
147H	1/4” SUPERFLEX	75 Ω
15	1”5/8 FOAM	50 Ω
15A	1”5/8 AIR	50 Ω
157A	1”5/8 AIR	75 Ω
16	RG 14-217	50 Ω
167	RG 34	75 Ω
17	RG 178-196	50 Ω
18	1”1/8 AIR	50 Ω
187	1”1/8 AIR	75 Ω
19	1”1/4 FOAM	50 Ω
21	2”1/4 FOAM	50 Ω
22	RG 17-218- HP850 TIMES	50 Ω
227	Ø 22 mm	75 Ω
23	UT.085(1)	50 Ω
237	UT.085	75 Ω
24R	1”1/4 RADIAFLEX	50 Ω
25R	1”5/8 RADIAFLEX	50 Ω
26	RG 122	50 Ω
27	ECOFLEX 15-LMR600	50 Ω
28	RG 19-220	50 Ω
29	3” AIR	50 Ω
30	ECOFLEX 10	50 Ω
31	3”1/8 AIR	50 Ω
35	RG 174-188-316	50 Ω
357	RG 179-187	75 Ω

36	UT.141(1)	50 Ω
367	UT.141	75 Ω
38	3/8” AIR	50 Ω
40	4”1/8 AIR	50 Ω
41	6”1/8 AIR	50 Ω
42	4”1/2 AIR	50 Ω
45	2YCC-0.4/2.5	75 Ω
46	ST 214	75 Ω
48	ST 112	75 Ω
49	ST 212	75 Ω
50	ST 121	75 Ω
52	1/2” (BAMBOO)	75 Ω
53	5/8” (BAMBOO)	75 Ω
54	13/3 (BAMBOO)	75 Ω
55	5” AIR	50 Ω
56	RG 58-141-142-223-303	50 Ω
58	5/8” FOAM	50 Ω
58A	5/8” AIR	50 Ω
587	5/8” AIR	75 Ω
64	RG 59-62-71	75 Ω
65	UT.250(1)	50 Ω
69	MULTIFLEX 086	50 Ω
71	17,5/4 (BAMBOO)	75 Ω
73	HP950 TIMES	50 Ω
74	MULTIFLEX 141	50 Ω
78	7/8” FOAM	50 Ω
787	7/8” FOAM	75 Ω
78A	7/8” AIR	50 Ω
78R	7/8” RADIAFLEX	50 Ω
787A	7/8” AIR	75 Ω
80	SAT 703 B	75 Ω
85	RG 5-212	50 Ω
857	RG 6	75 Ω
87	S04272B-H155	50 Ω
89	UT.047(1)	50 Ω
90	GE 18 (cable type 100)	50 Ω
91	GE 40 (cable type 105)	50 Ω
92R	6/8” RADIAFLEX	50 Ω

(1) = Semirigid/Preformed cables

ALPHABETICAL SUFFIXES

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

ALPHABETICAL PREFIXES

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

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

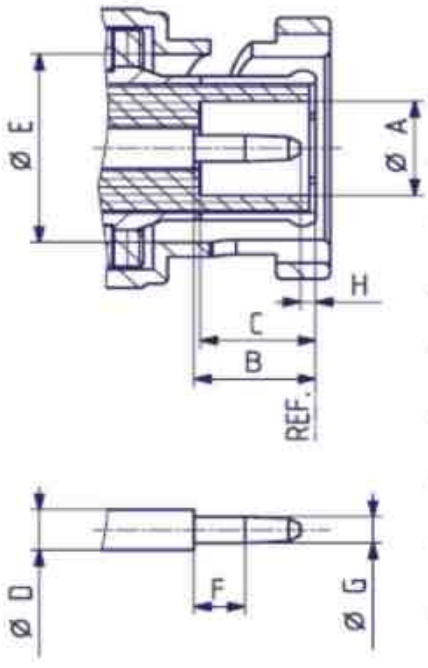
TECHNICAL INFORMATIONS BNC 50 Ω

		notes
Frequency range	DC ÷ 4 GHz	
VSWR :	1.30 MAX	
Impedance	50 Ω	
Insulation	≥ 5 * 10^3 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-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

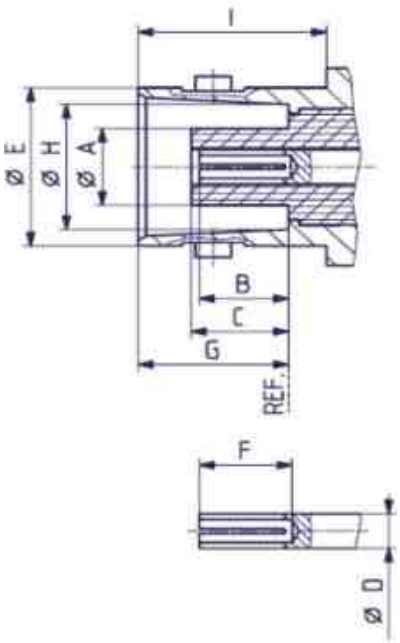
INTERFACE

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	9.78/.385	9.91/.390	9.60/.378	9.70/.382
F	1.98/.078	-	4.95/.195	-
G	1.32/.052	1.37/.054	8.31/.327	8.51/.335
H	0.08/.003	-	8.10/.319	8.15/.321
I	-	-	10.52/.414	-

Jack (female)



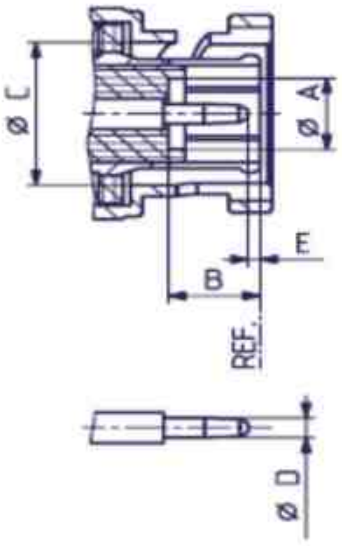
TECHNICAL INFORMATIONS BNC 75 Ω

		notes
Frequency range	DC ÷ 1 GHz	
VSWR	1.15 MAX	
Impedance	75 Ω	
Insulation	≥ 5 * 10^3 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-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

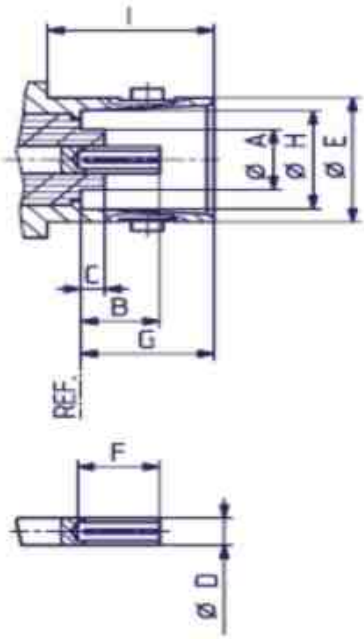
INTERFACE

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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
1020117TP	BNC m for RG11-13-216	75 Ω		
102011TP	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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

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

STRAIGHT JACKS (F)

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

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
101407	BNC f solder contact	50 Ω	rear threaded	19
101418	BNC f solder contact	50 Ω	flange 17,5x17,5	

ADAPTERS BNC - BNC

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

PROTECTIVE CAPS

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

DRAWINGS BNC

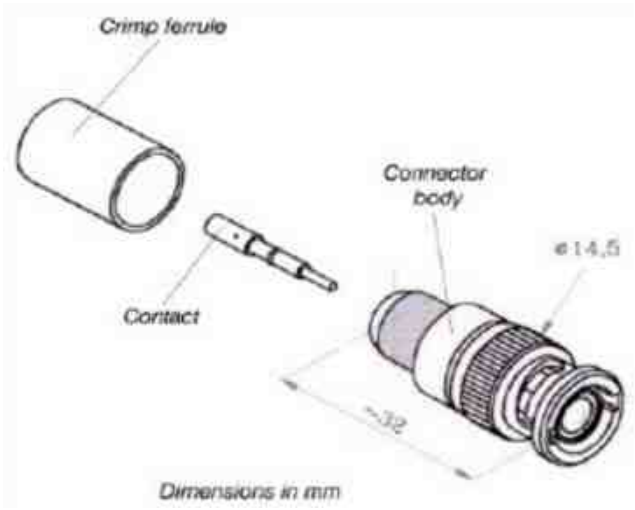
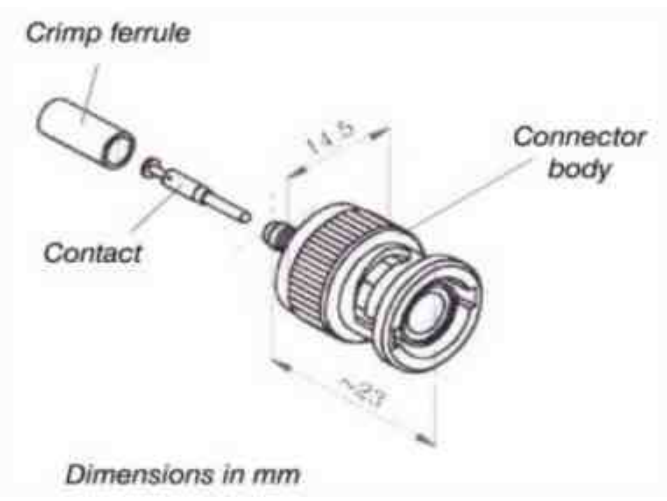


Fig.1 **P/N 102011TP**



P/N 102049TP **Fig.2**

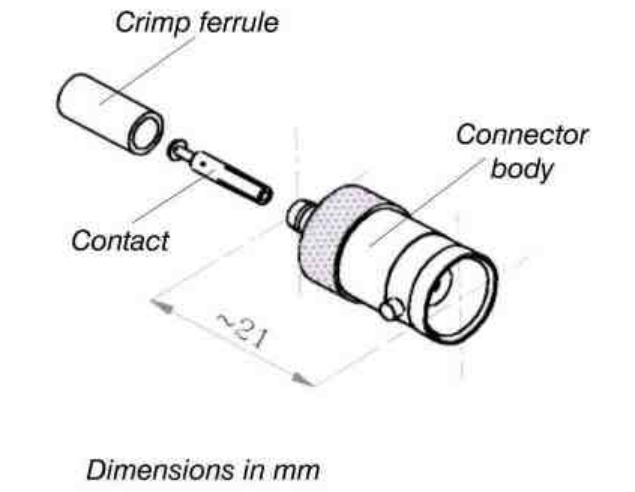
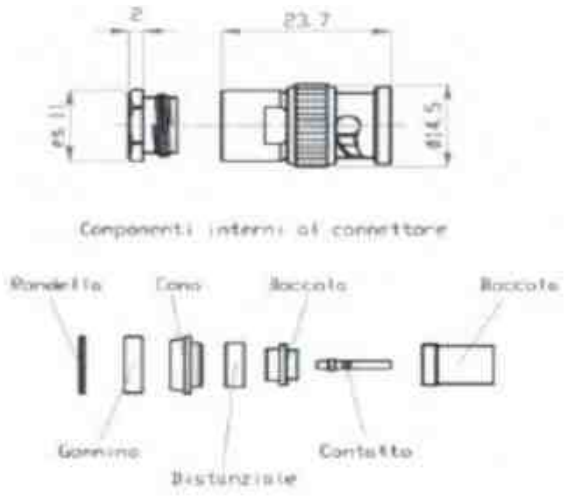


Fig.3 **P/N 101049TP**



P/N 102056 **Fig.4**

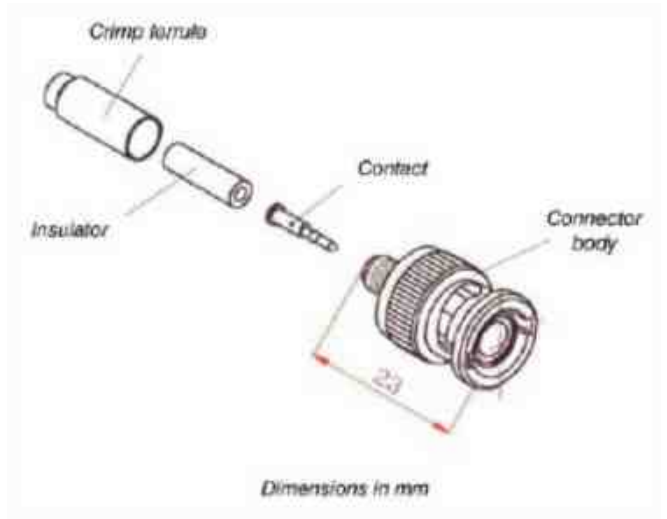
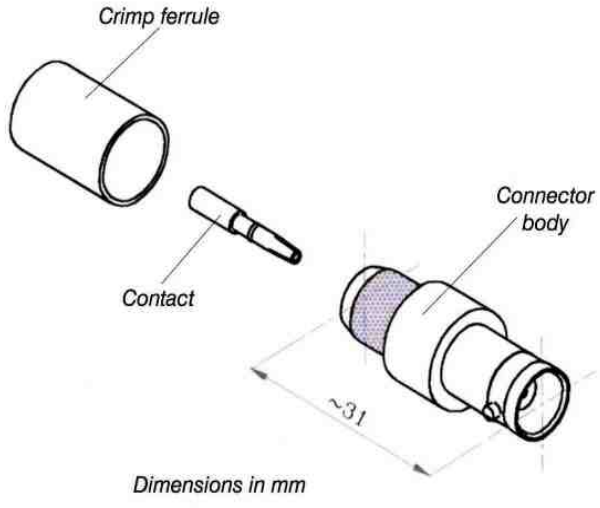


Fig.5 **P/N 102035TP**



P/N 101011TP **Fig.6**

DRAWINGS BNC

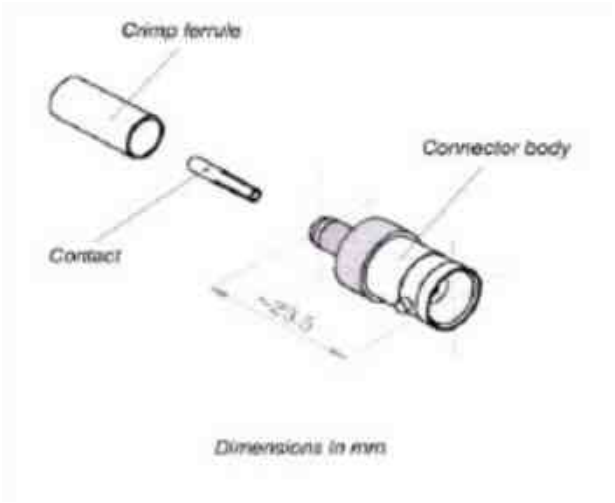
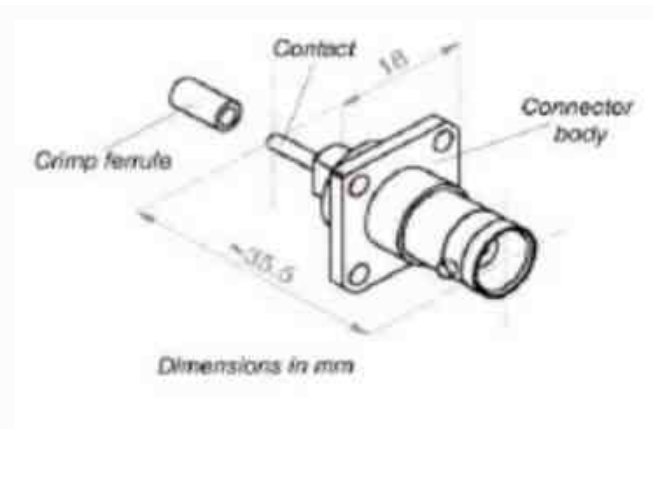


Fig.7 P/N 101056TP



P/N 101617TP Fig.8

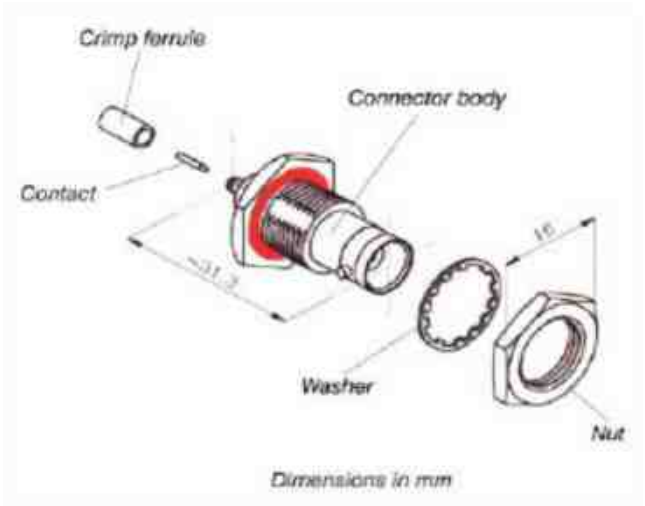
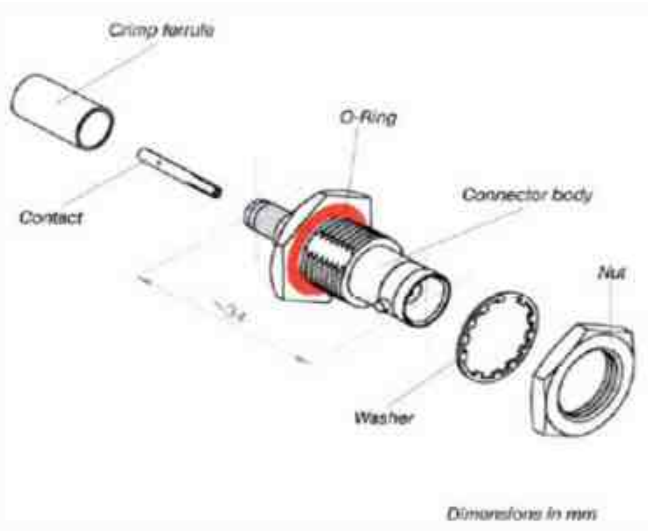
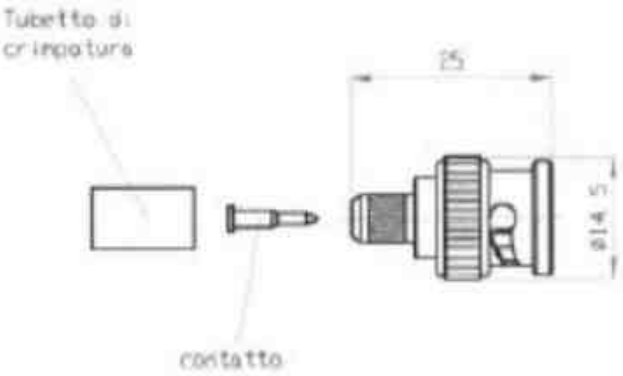


Fig.9 P/N 101835TP



P/N 101864TP Fig.10

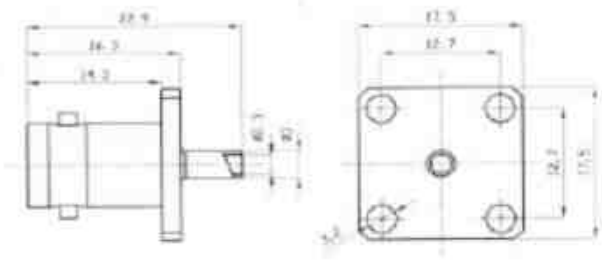
Fig.11 P/N 102056TP



P/N 102064TP Fig.12

DRAWINGS BNC

Fig.13 P/N 102464TP



P/N 101623 Fig.14

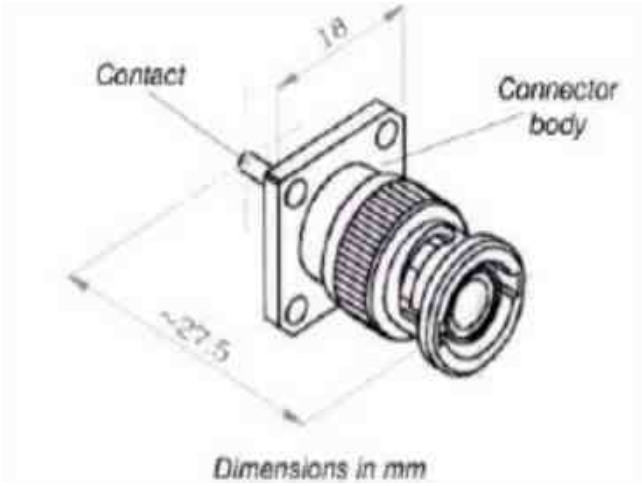
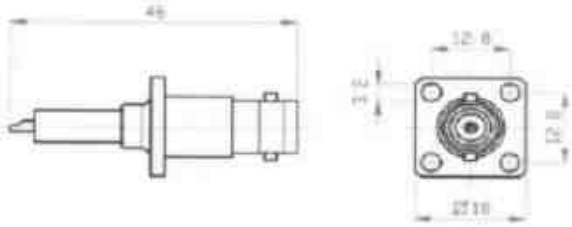
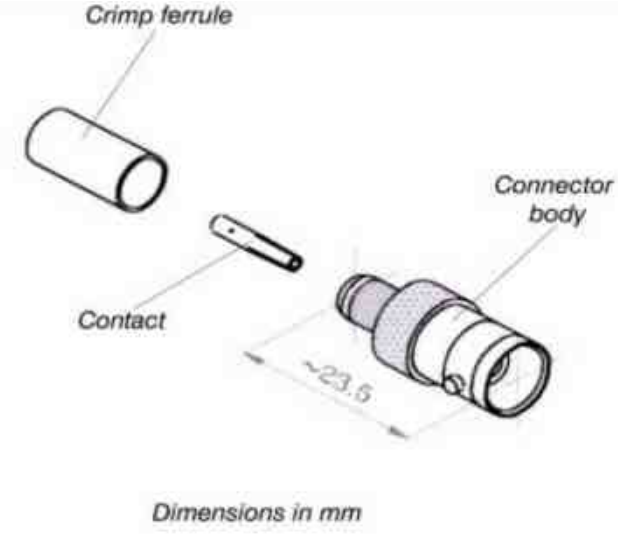


Fig.15 P/N 102518



P/N 102518SHV Fig.16

Fig.17 P/N 101700



P/N 101087TP Fig.18

DRAWINGS BNC

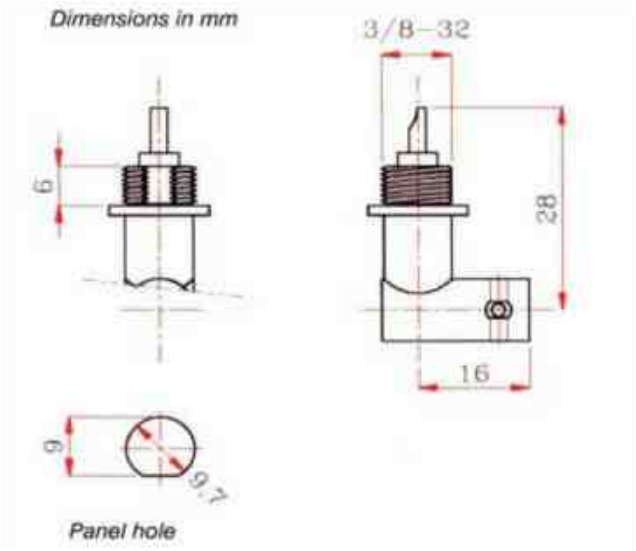
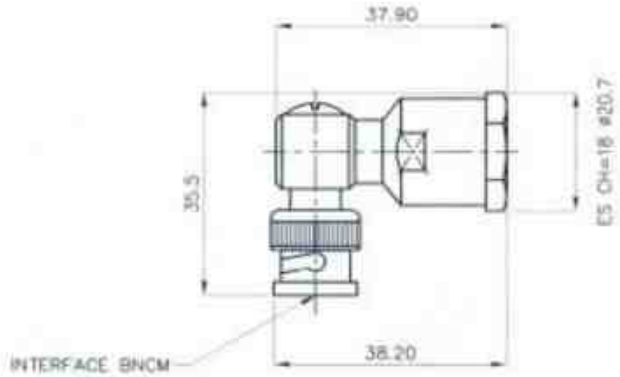


Fig.19 P/N 101407



P/N 102411 Fig.20

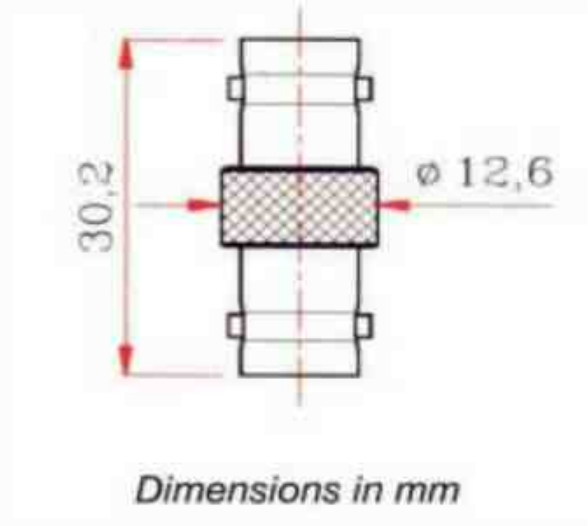
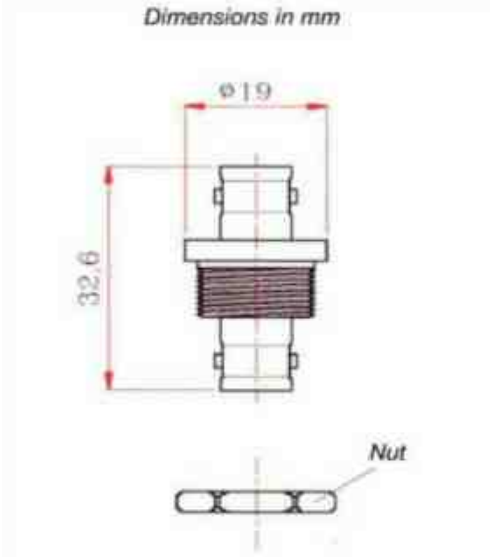
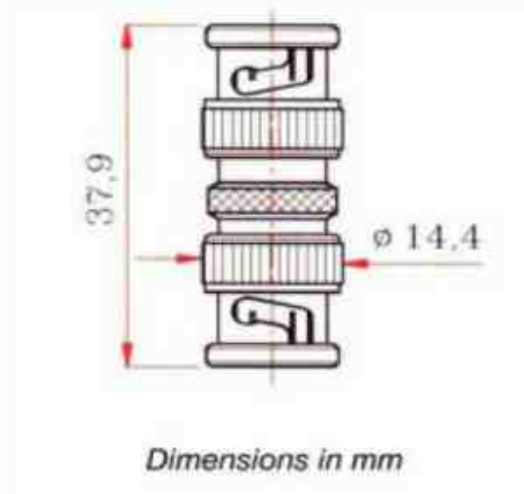


Fig.21 P/N 1013101



P/N 1017101IS Fig.22

Fig.23 P/N 1020857TP



P/N 1023102 Fig.24

DRAWINGS BNC

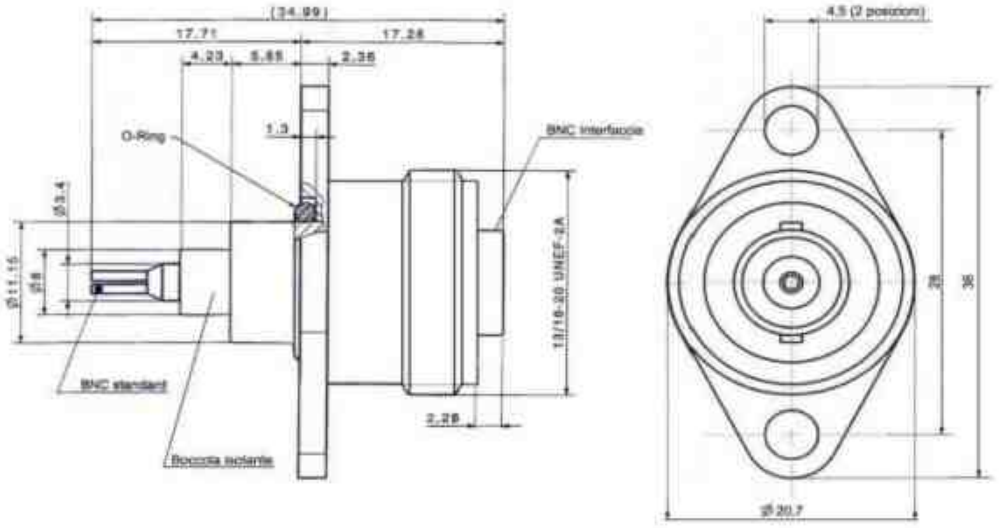


Fig.25 **P/N MR101700LS-B**

Fig.26 **P/N 10090121**

P/N **Fig.27**

Fig.28 **P/N**

P/N **Fig.29**

TNC

COAXIAL CONNECTORS 50Ω / 75Ω

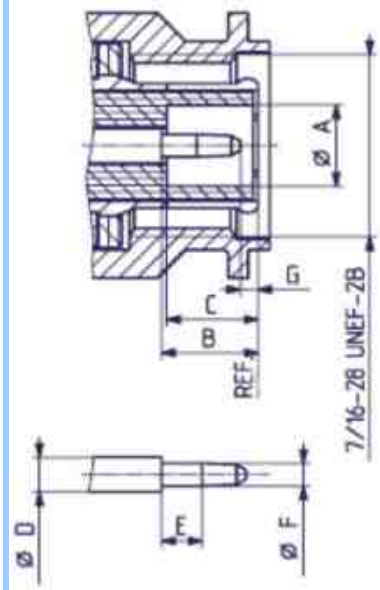
TECHNICAL INFORMATIONS TNC 50 Ω

		notes
Frequency range	DC ÷ 11 GHz	
VSWR	1.30 MAX	
Impedance	50 Ω	
Insulation	≥ 5 * 10^3 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

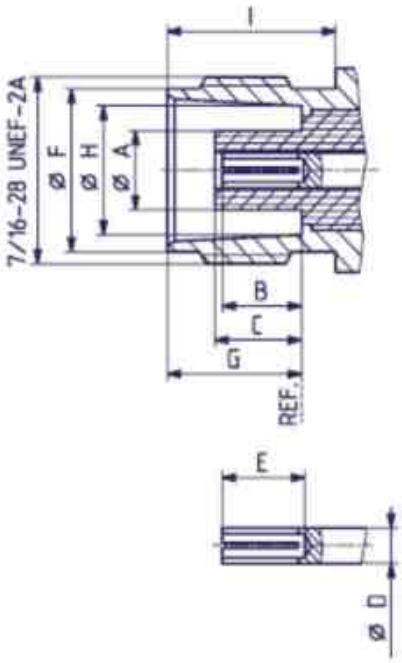
INTERFACE

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)



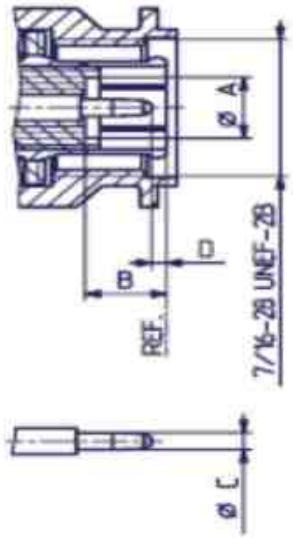
TECHNICAL INFORMATIONS TNC 75 Ω

		notes
Frequency range	DC ÷ 1 GHz	
VSWR	1.15 MAX	
Impedance	75 Ω	
Insulation	≥ 5 * 10^3 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 75 Ω connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

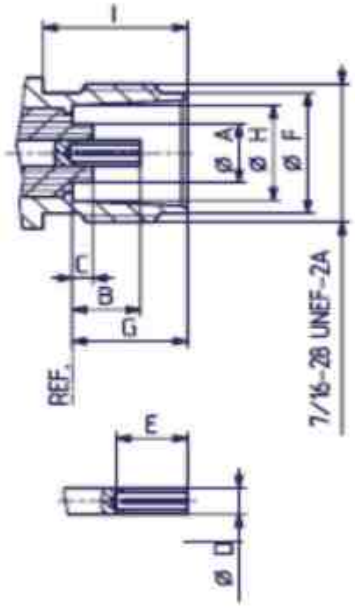
INTERFACE

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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

STRAIGHT JACKS (F) CRIMP

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

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

RECEPTACLES WITH SOLDER END 50Ω / 75Ω

STRAIGHT PANEL PLUGS (M)

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

STRAIGHT PANEL JACKS (F)

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

ADAPTERS TNC-TNC

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

PROTECTIVE CAPS

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

DRAWINGS TNC

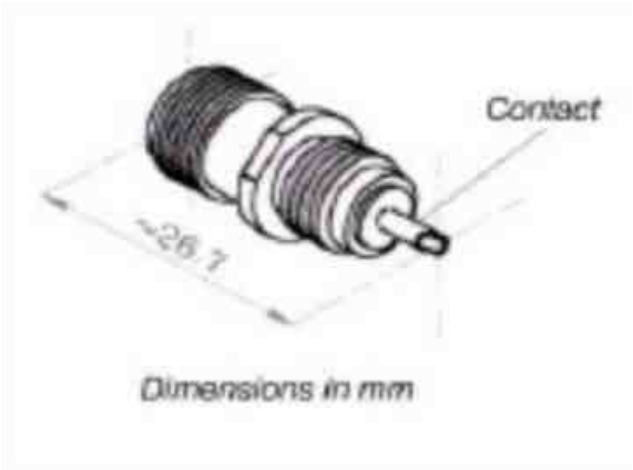
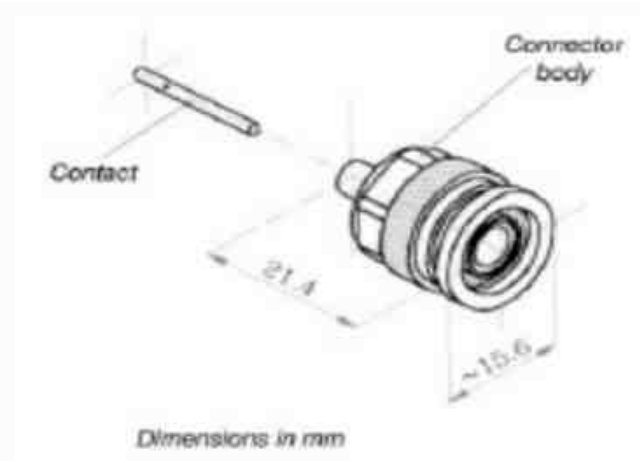


Fig.1 P/N 201700



P/N 202036 Fig.2

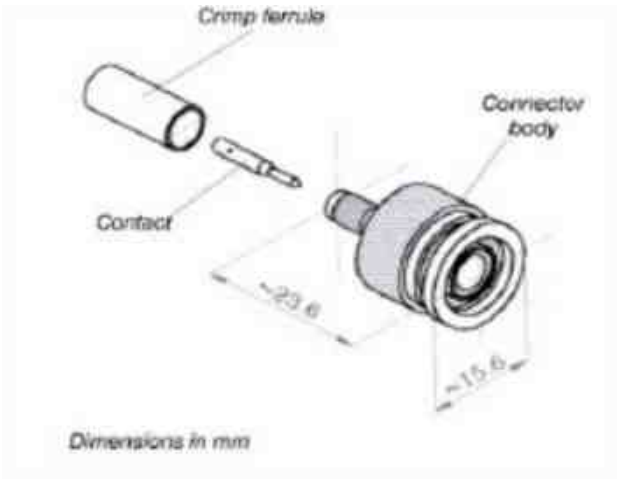


Fig.3 P/N 202056TP

P/N 202456TP Fig.4

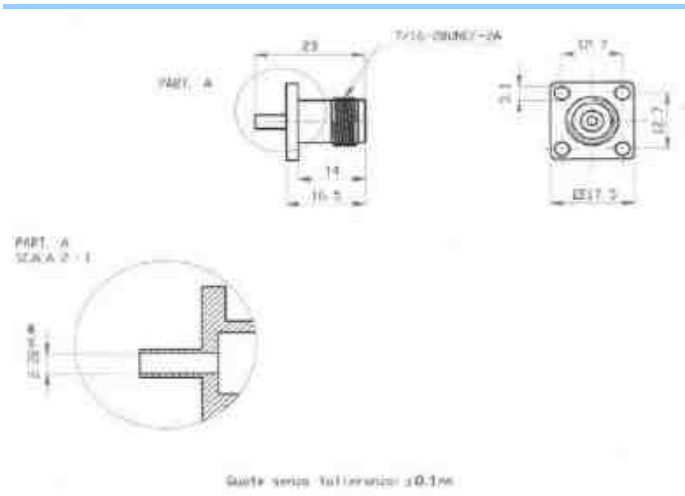
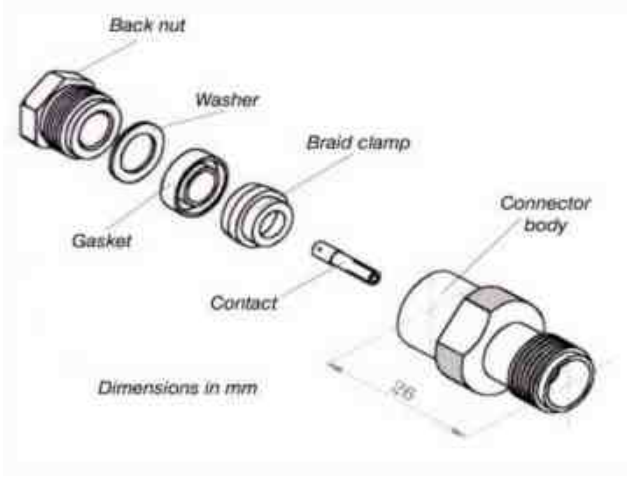


Fig.5 P/N201623LV



P/N 201056B Fig.6

DRAWINGS TNC

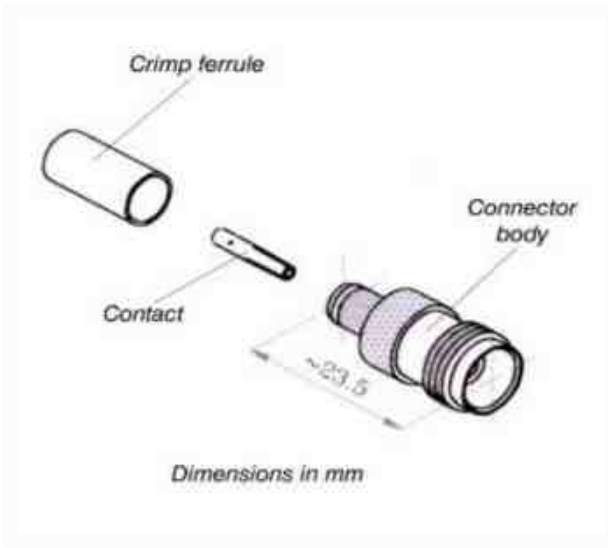
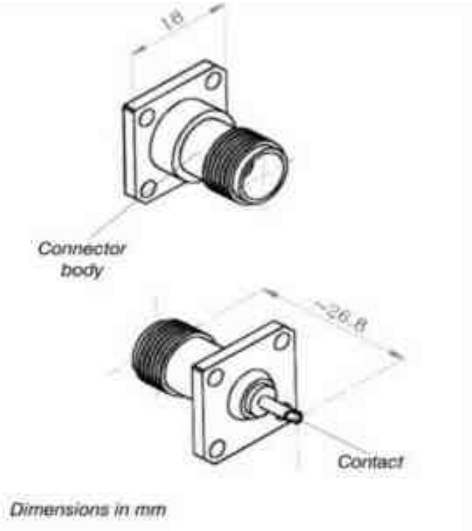


Fig.7 P/N 201087TP



P/N 201518 Fig.8

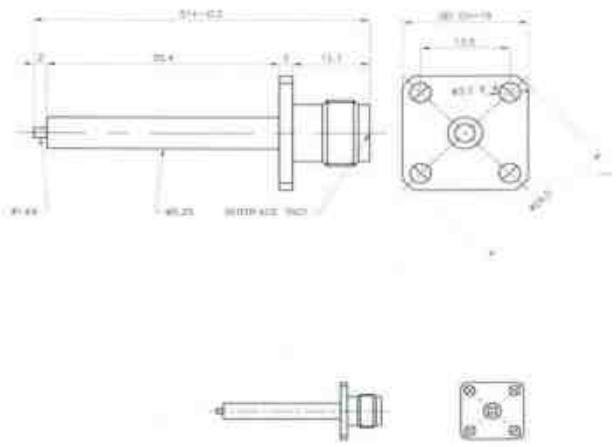
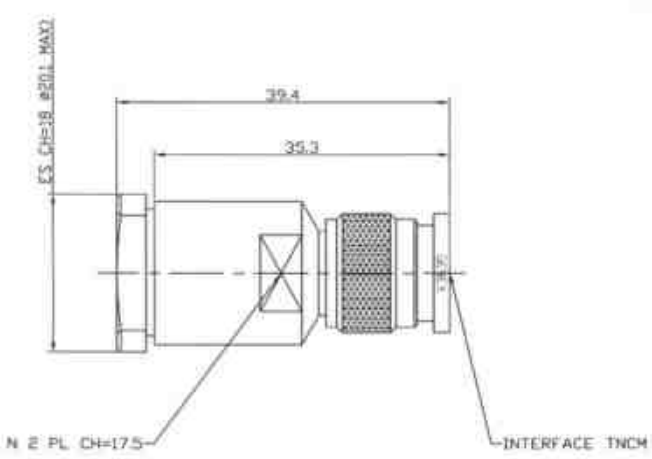


Fig.9 P/N 201519THCLA



P/N 202011 Fig.10

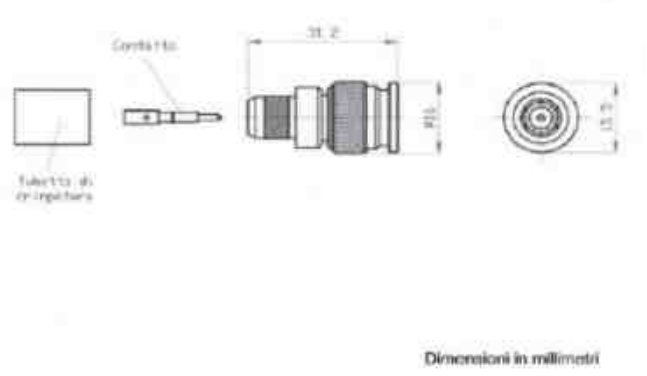
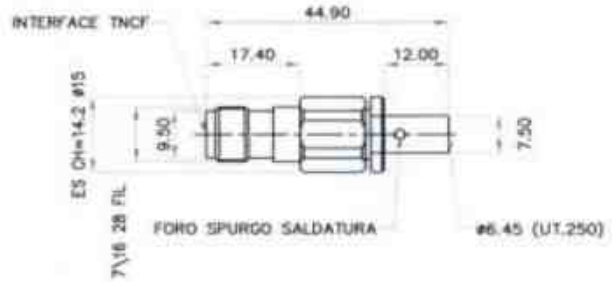


Fig.11 P/N 202011TP



P/N 201065THAG Fig.12

DRAWINGS TNC

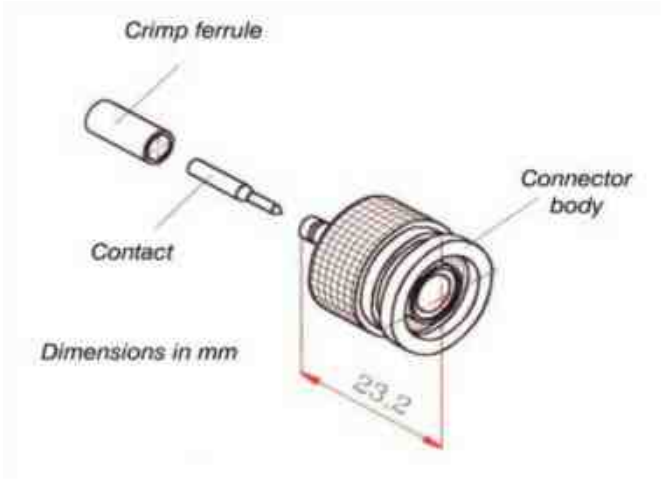
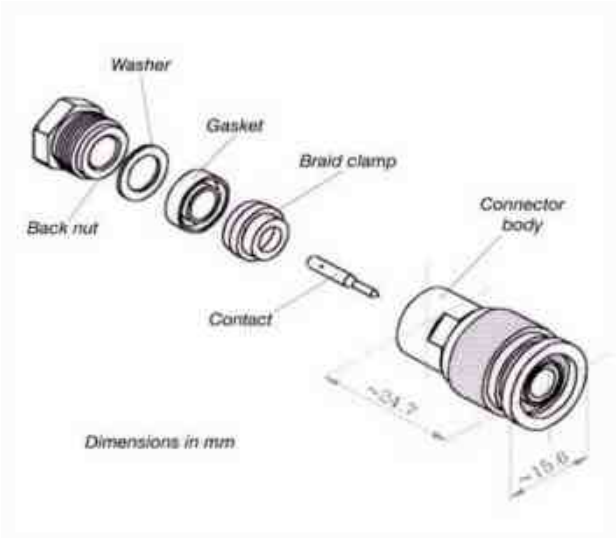


Fig.13 P/N 202049TP



P/N 202056B Fig.14

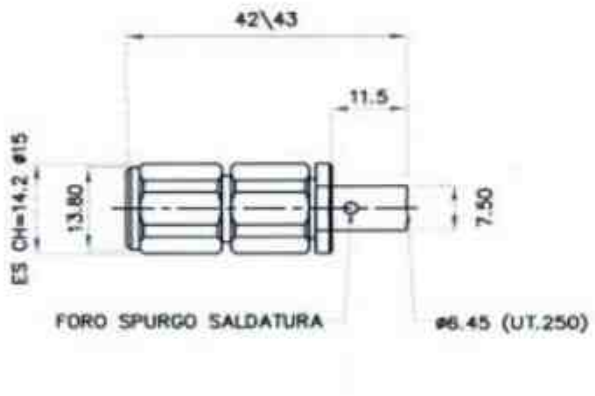
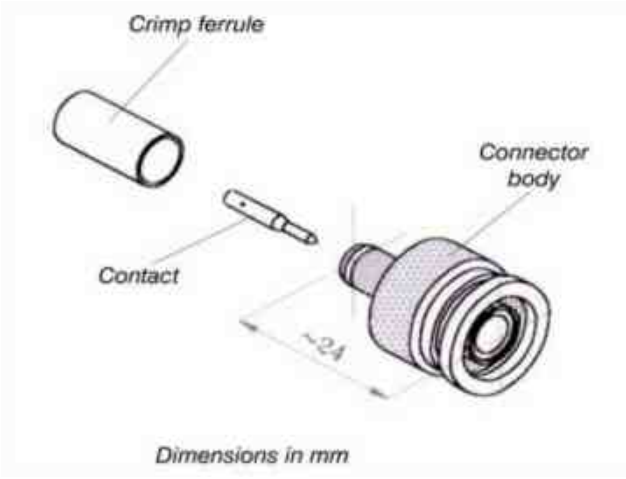
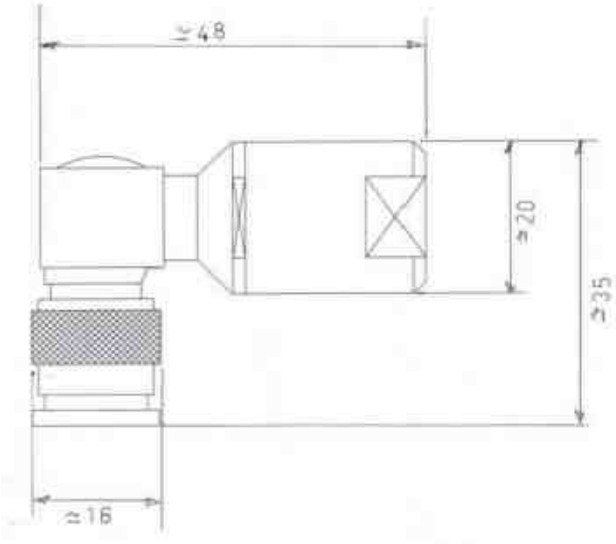


Fig.15 P/N 202065THAG



P/N 202087TP Fig.16

Fig.17 P/N 202411D



P/N 202414 Fig.18

DRAWINGS TNC

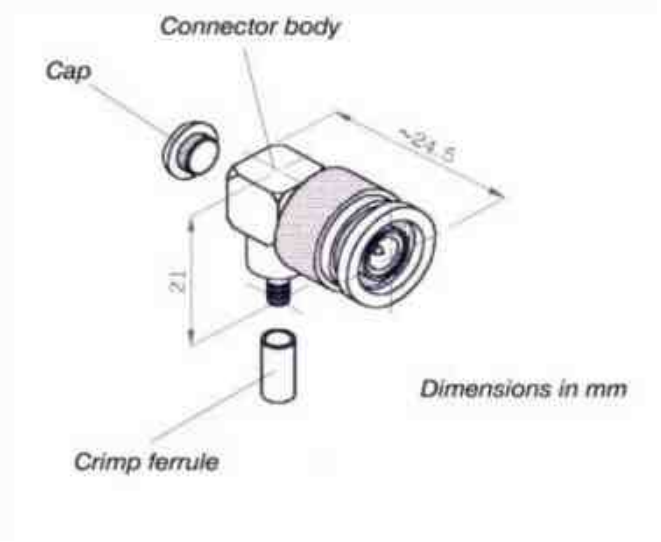
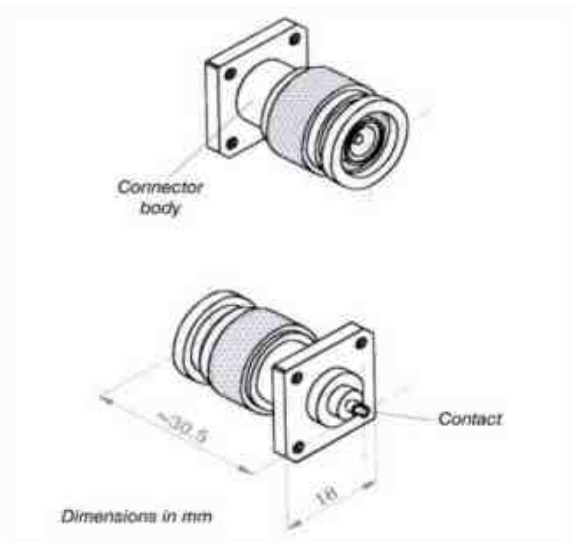


Fig.19 P/N 202449TP



P/N 202518 Fig.20

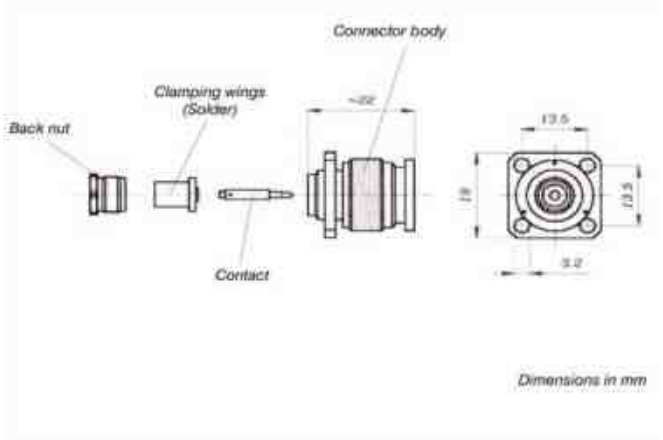
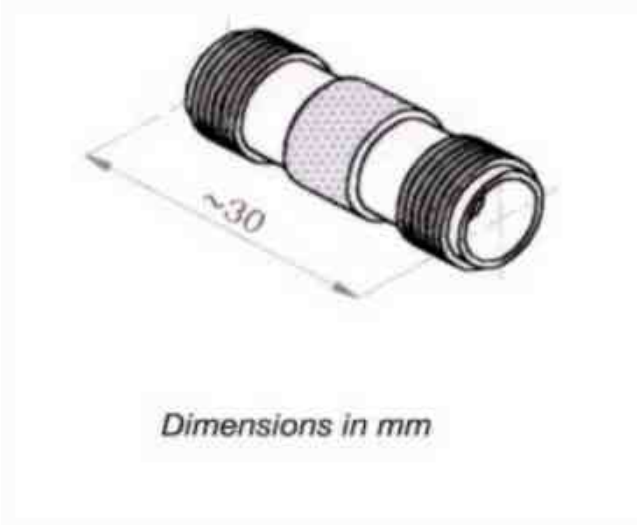


Fig.21 P/N 202636



P/N 2013201 Fig.22

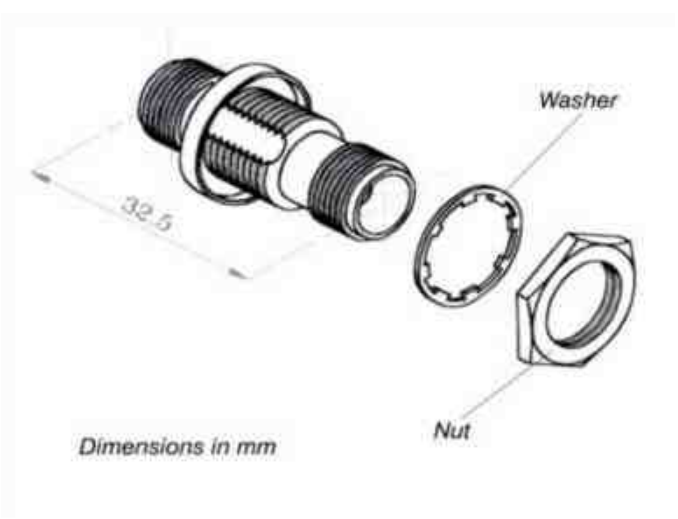
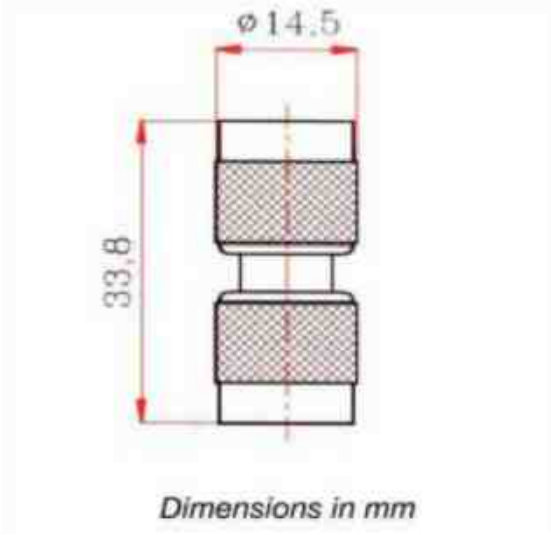


Fig.23 P/N 2017201



P/N 2023202 Fig.24

DRAWINGS TNC

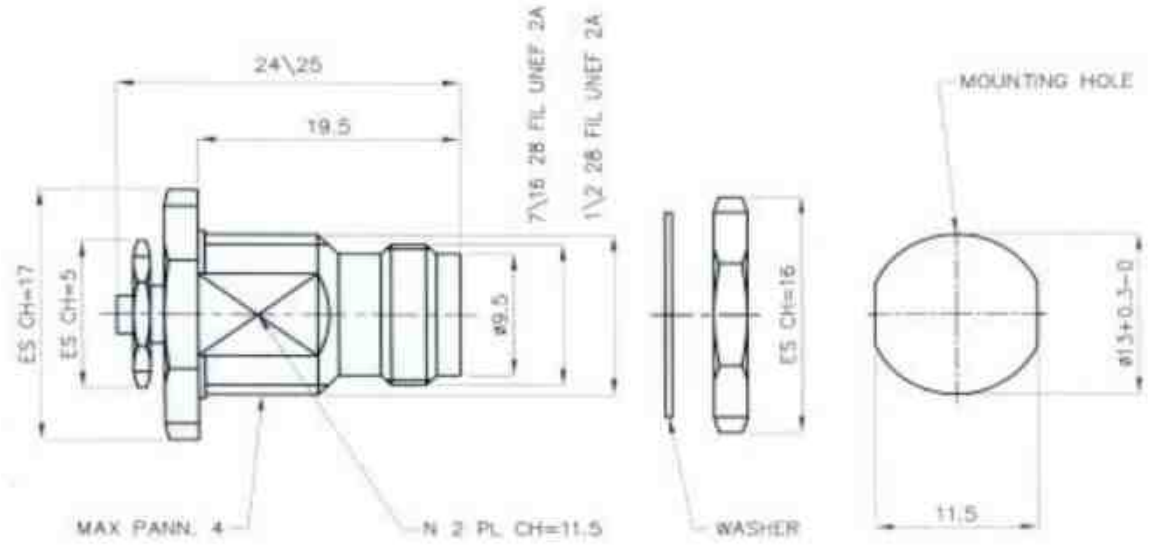


Fig.25 **P/N ELT 201823**

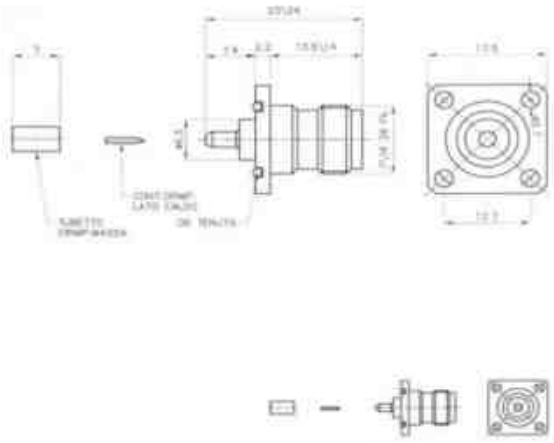
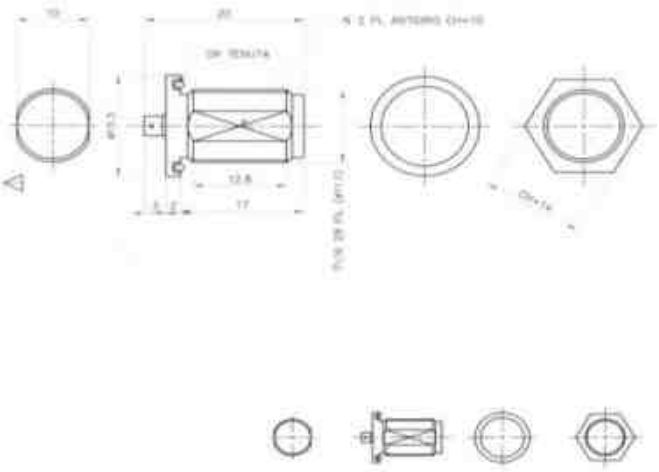


Fig.26 **P/N MR201635TP**



P/N MR201823LV **Fig.27**

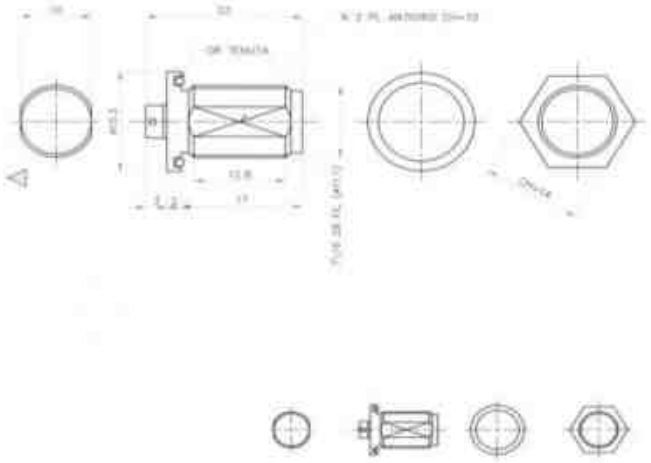
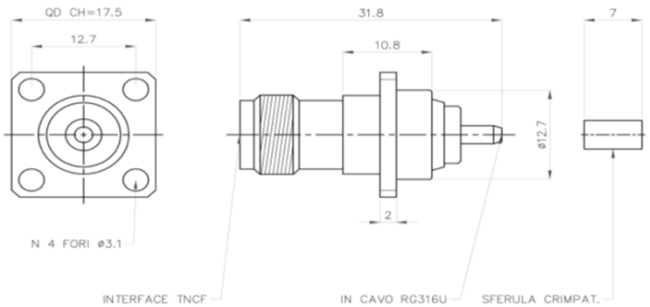


Fig.28 **P/N MR201836LV**



P/N 201635TP **Fig.29**

DRAWINGS TNC

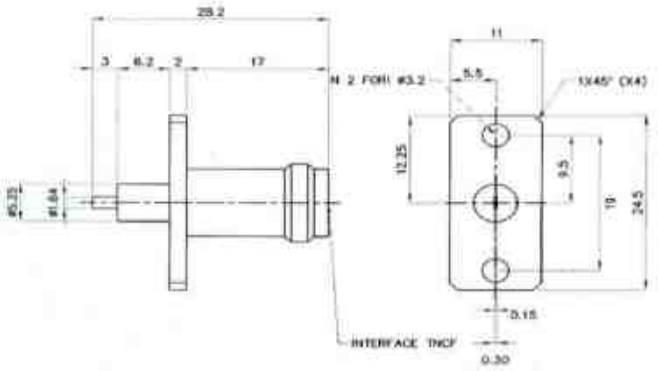
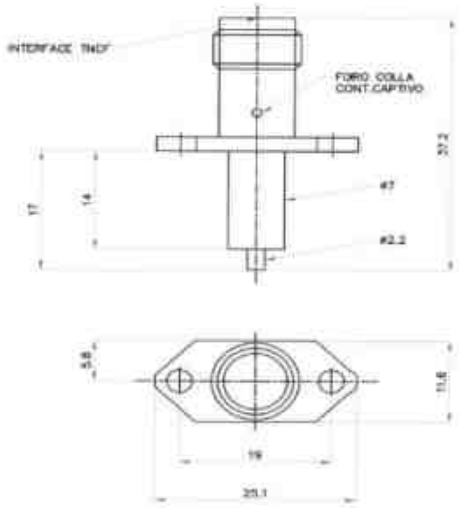


Fig.30 P/N 2015LSMS



P/N MR201519LS Fig.31

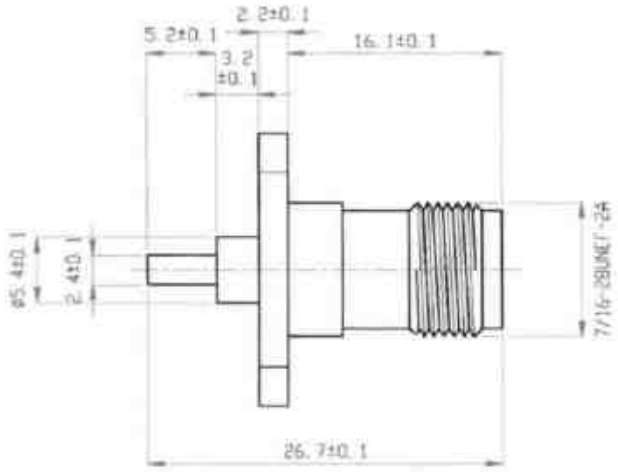
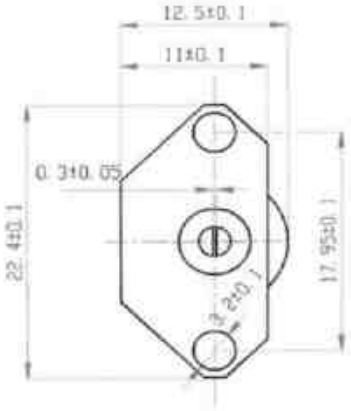


Fig.32



P/N 201500LSIT

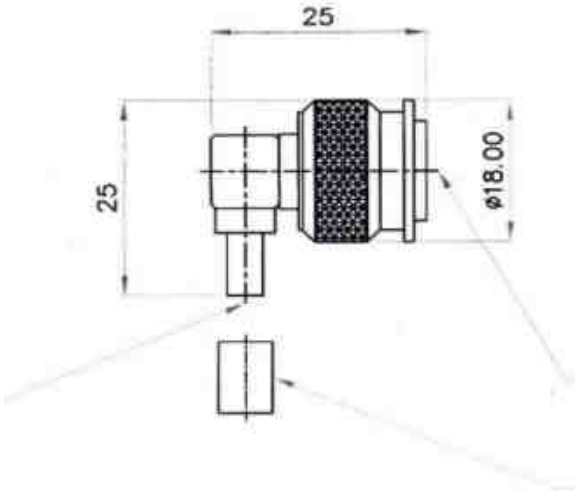
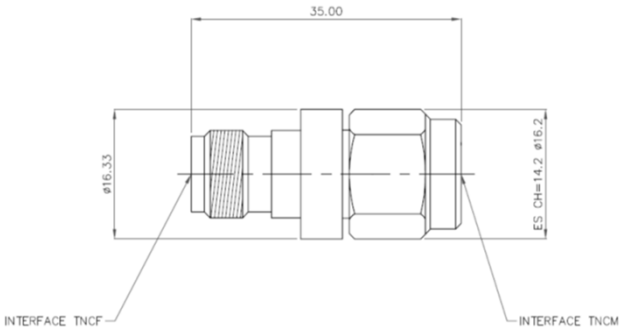


Fig.33 P/N 202456TPDSSO



P/N 2023201TH Fig.34

TNC

REVERSE POLARITY

COAXIAL CONNECTORS 50Ω

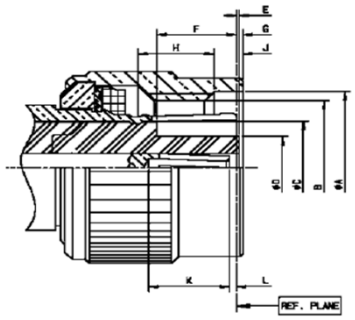
TECHNICAL INFORMATIONS TNC REVERSE POLARITY

		notes
Frequency range	DC ÷ 4 GHz	
VSWR	1.30 Max	angle 1.35 Max
Impedance	50Ω	
Insulation	≥ 5 * 10^3 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

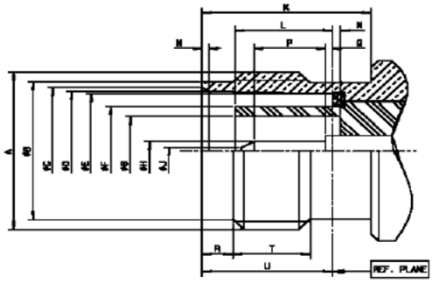
INTERFACE

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	4.83	
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	0.76
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
MR081035TPDSLV	TNC R.P. female contact for double screen RG 316	50 Ω		1

STRAIGHT PANEL FEMALE BODY-MALE CONTACT CRIMP

P.N. GENEX RF	Description	OHM	Notes	Fig.
MR082835TPDSLV	TNC R.P. male contact for double screen RG 316	50 Ω	bulkhead	2

DRAWINGS TNC REVESE POLARITY

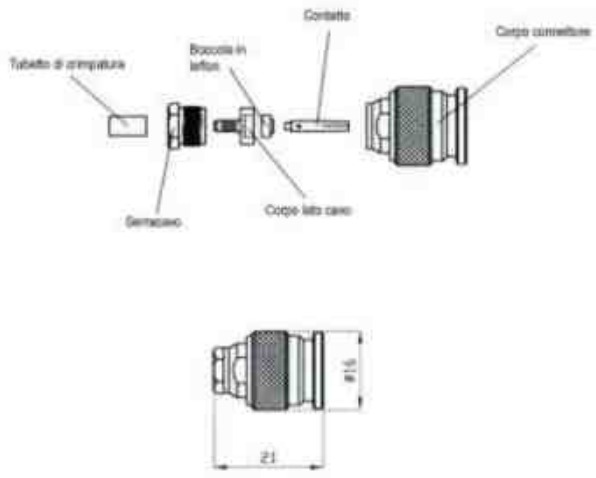
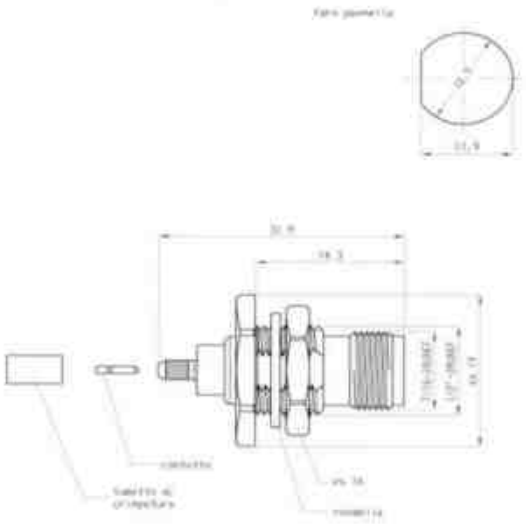


Fig.1 P/N MR081035TPDSLV



P/N MR082835TPDSLV Fig.2

Fig.3 P/N

P/N Fig.4

Fig.5 P/N

P/N Fig.6

N

COAXIAL CONNECTORS 50Ω / 75Ω

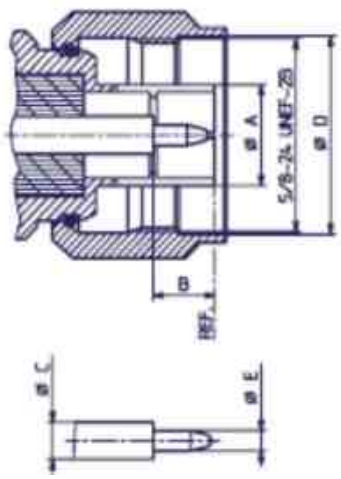
TECHNICAL INFORMATIONS N 50 Ω

		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	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤1.0 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-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

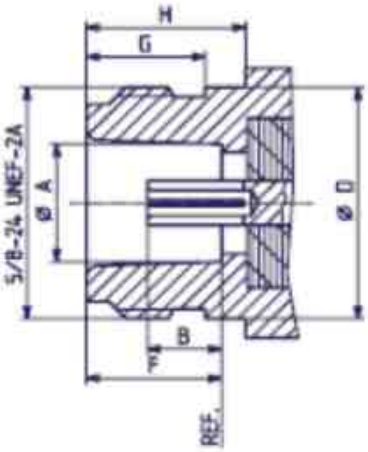
INTERFACE

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)



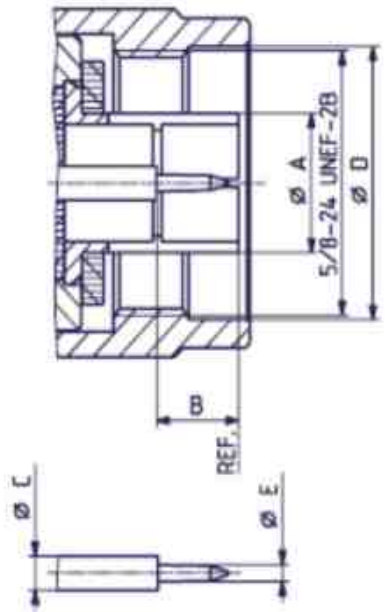
TECHNICAL INFORMATIONS N 75 Ω

		notes
Frequency range	DC ÷ 1,5 GHz	
VSWR	1.3 MAX	
Impedance	75 Ω	
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤1.0 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-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

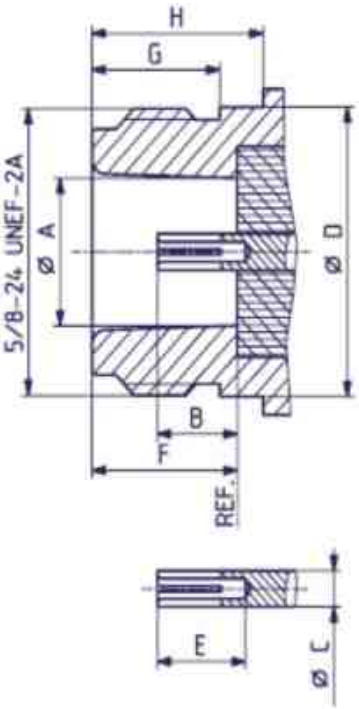
INTERFACE

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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	*Description*	*OHM*	*Notes*	*Fig.*
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	*Description*	*OHM*	*Notes*	*Fig.*
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 microstreep 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

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

ADAPTERS N - N

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

OPEN

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

PROTECTIVE CAPS

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

DRAWINGS N

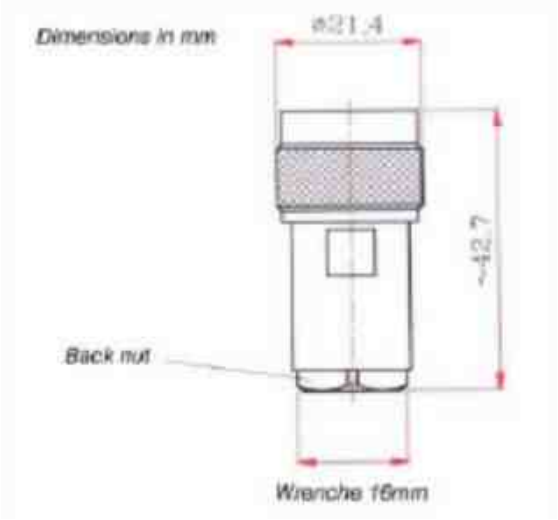
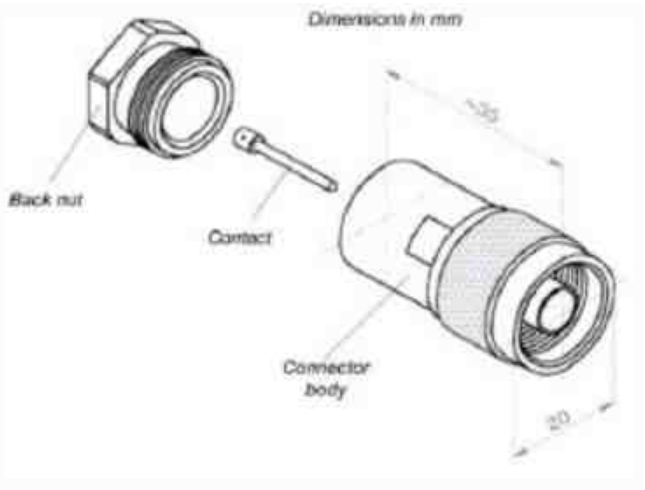


Fig.1 P/N 302011B



P/N 302011LV Fig.2

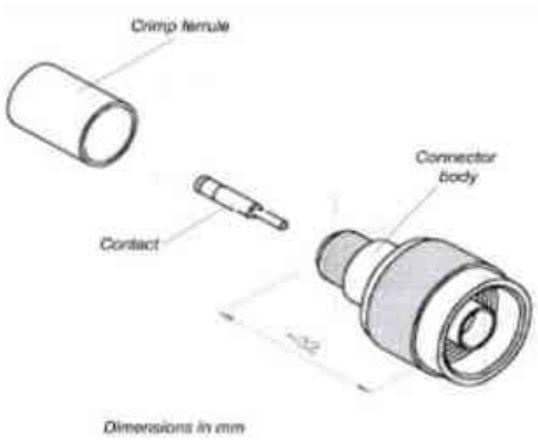
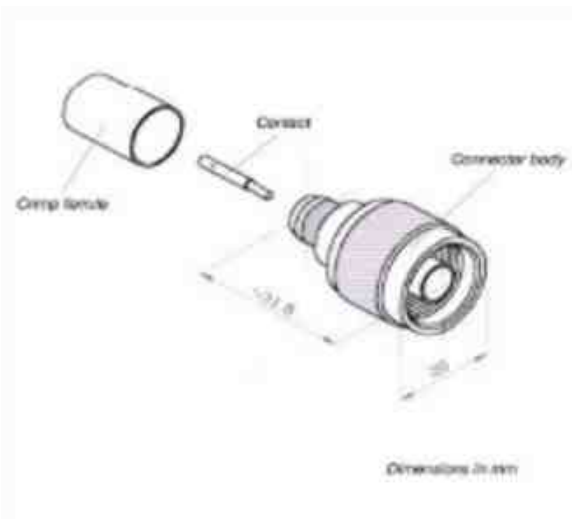


Fig.3 P/N 302011TP



P/N 302011TPDS Fig.4

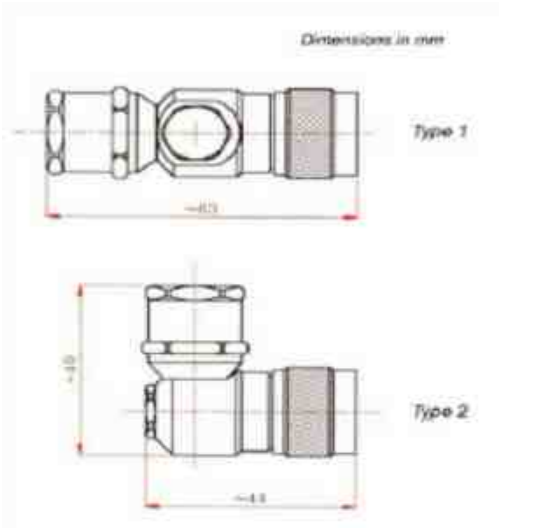
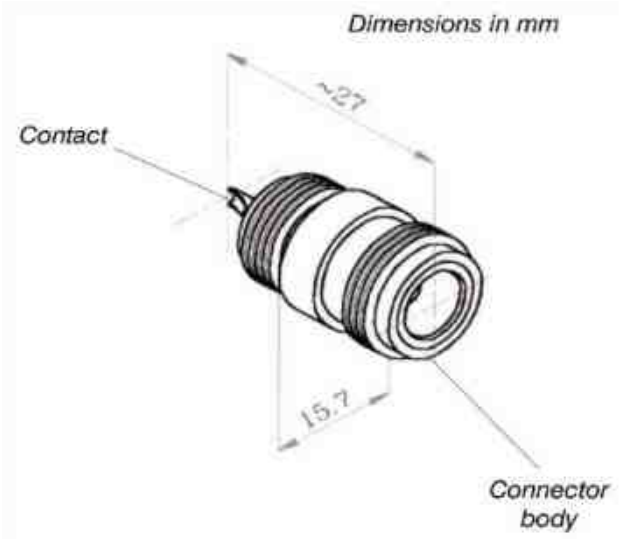


Fig.5 P/N 302011TR



P/N 3017M14 Fig.6

DRAWINGS N

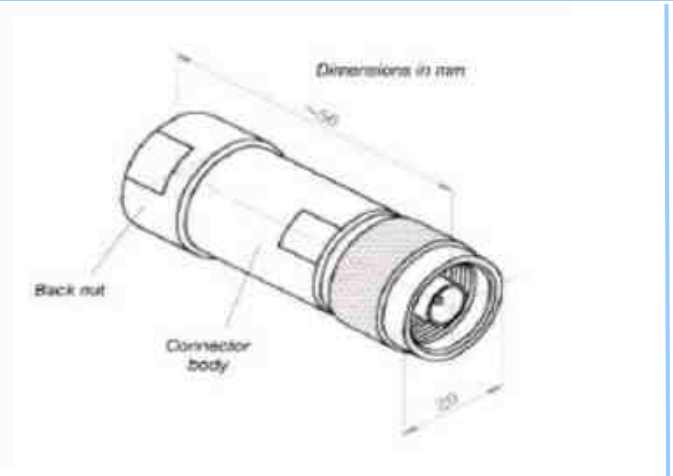
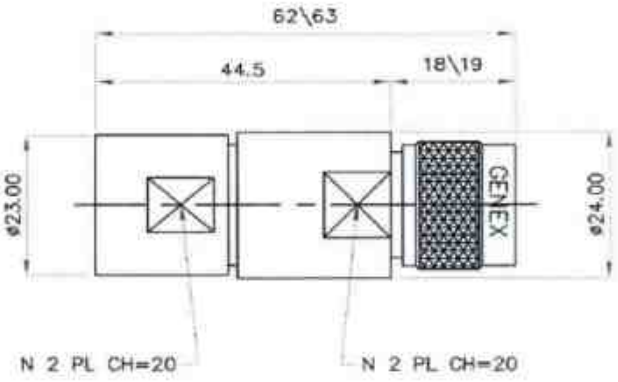
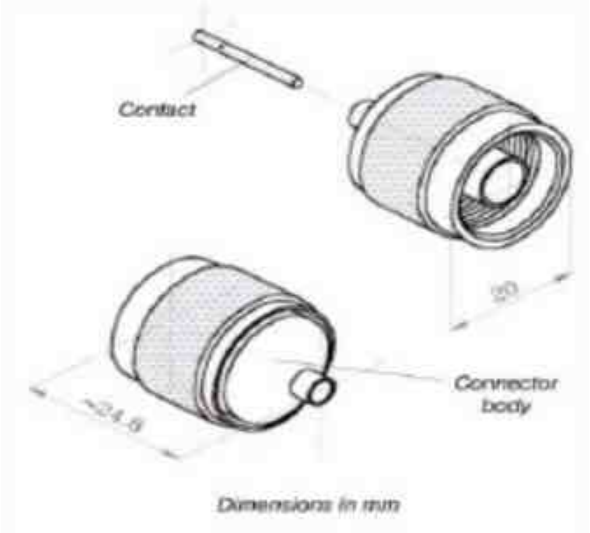


Fig.7 P/N 302012H



P/N 302012RP Fig.8

Fig.9 P/N 302013



P/N 302036 Fig.10

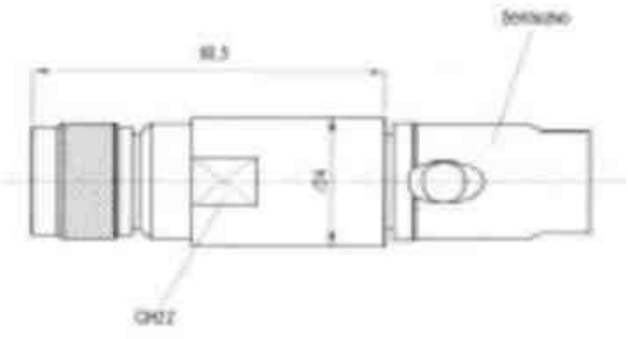
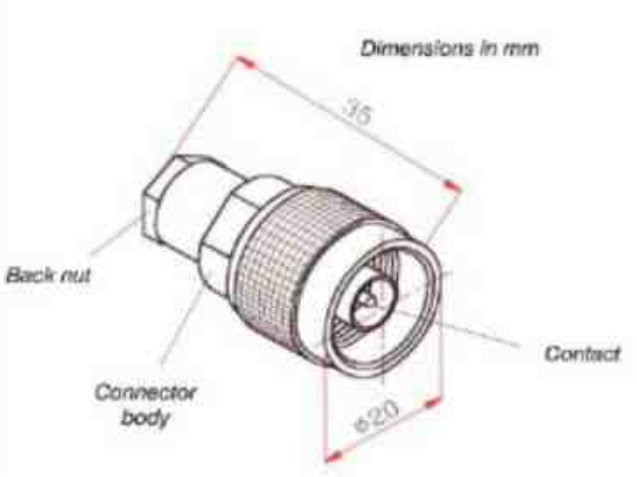


Fig.11 P/N 302038



P/N 302056 Fig.12

DRAWINGS N

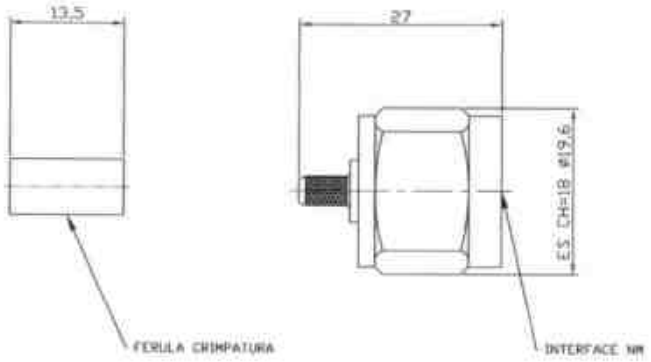
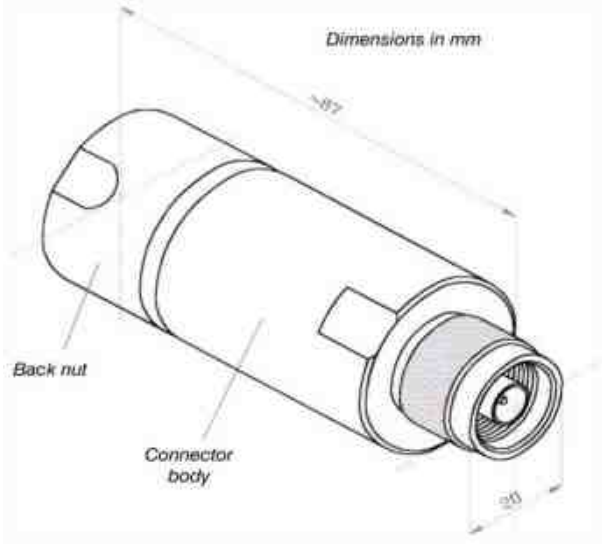


Fig.13 P/N 302056TP



P/N 302078RP Fig.14

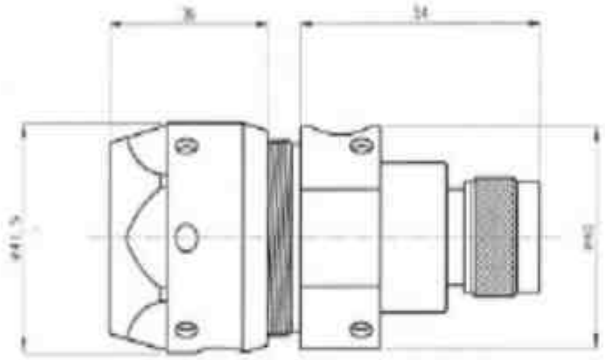
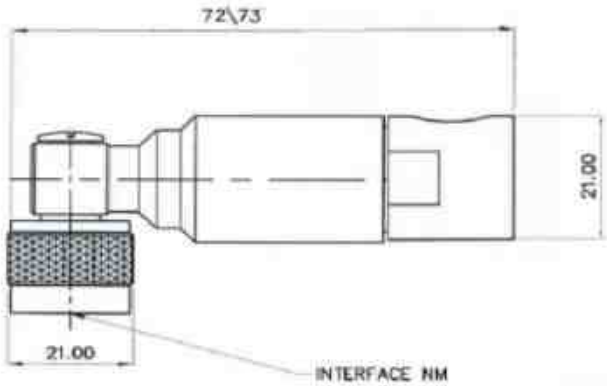


Fig.15 P/N 302078A



P/N 302412 Fig.16

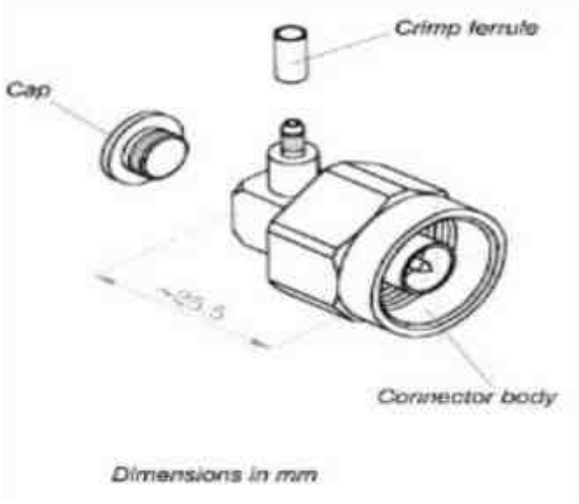
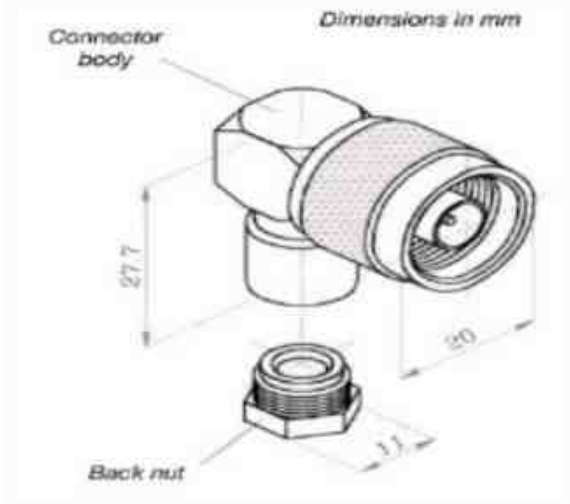


Fig.17 P/N 302435TP



P/N 302456 Fig.18

DRAWINGS N

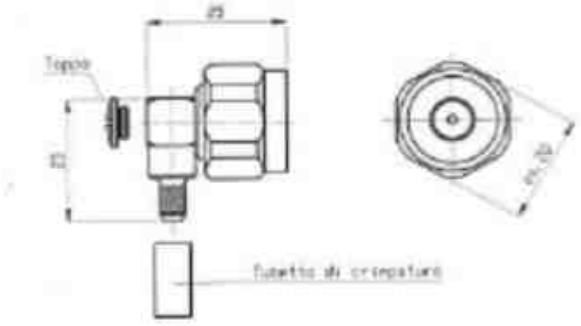
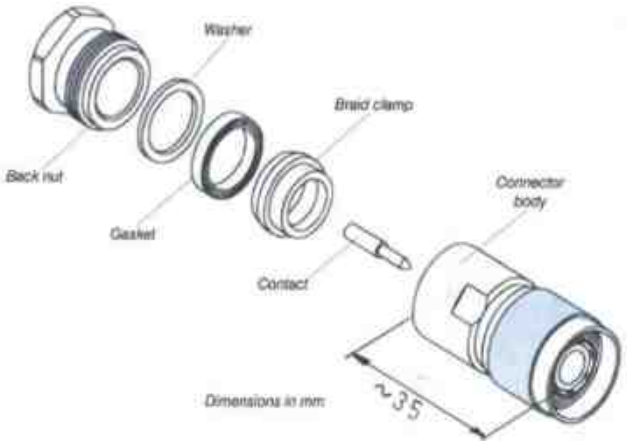


Fig.19 P/N 302456TP



P/N 3020117 Fig.20

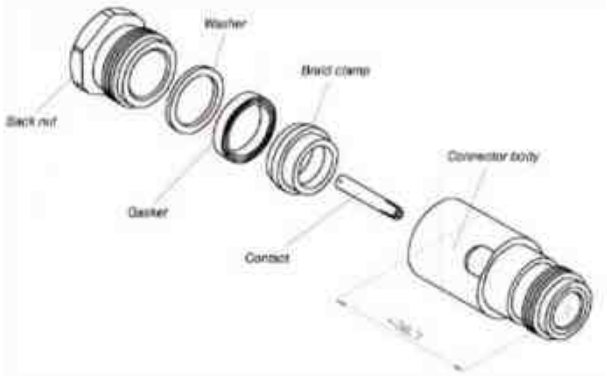
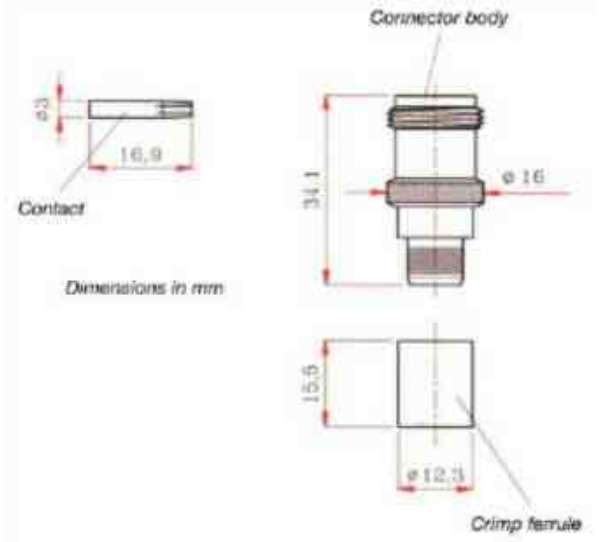


Fig.21 P/N 301011D



P/N 301011TPDS Fig.22

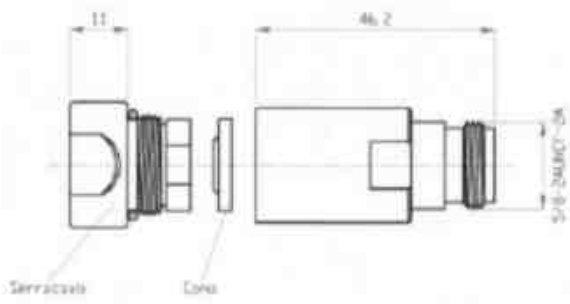
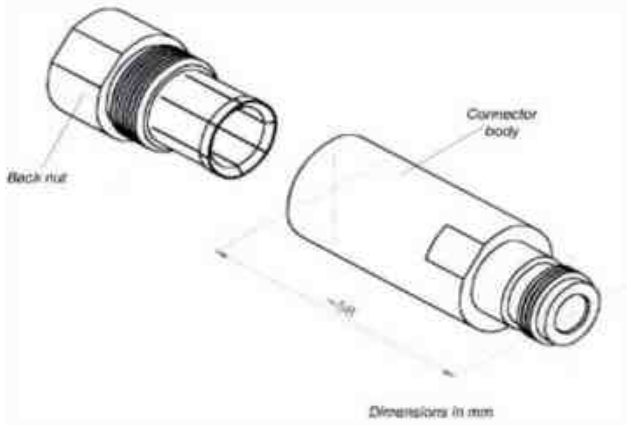


Fig.23 P/N 301012H



P/N 301012RP Fig.24

DRAWINGS N

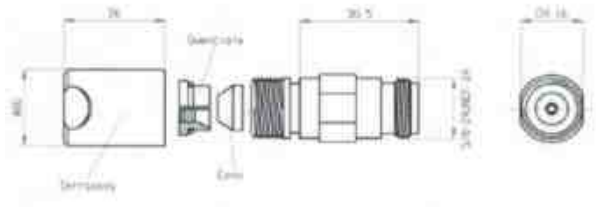
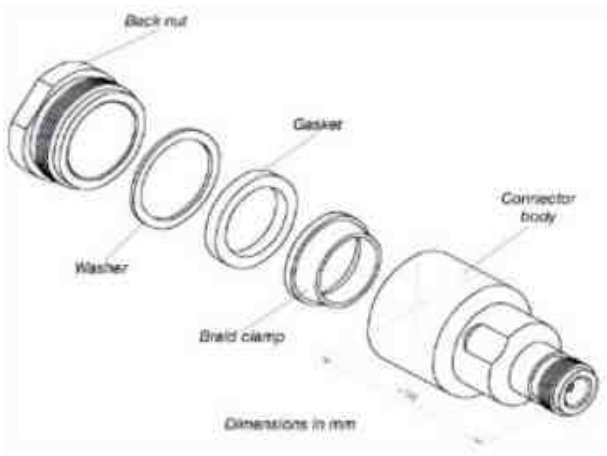


Fig.25 P/N 301014



P/N 301022 Fig.26

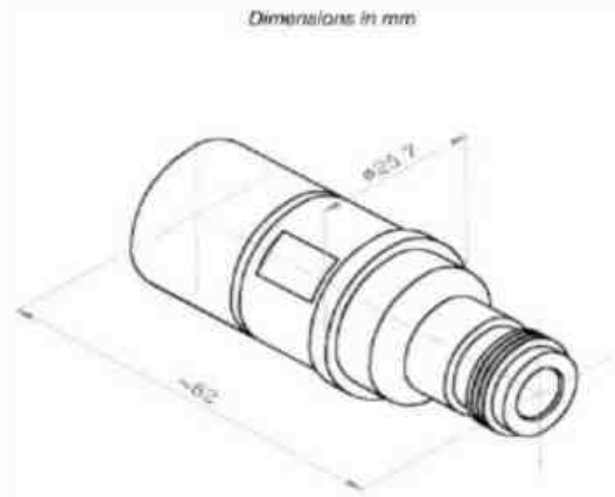
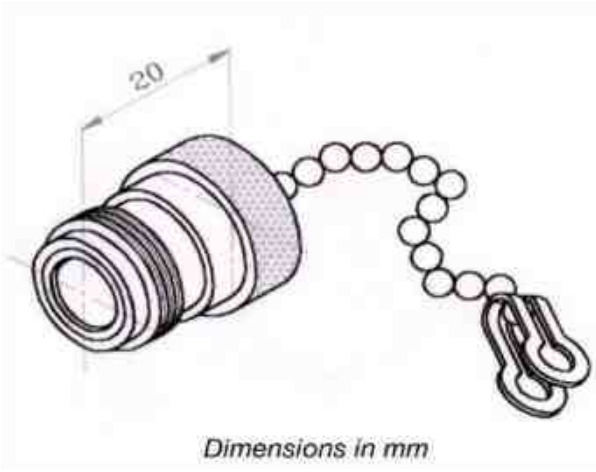


Fig.27 P/N 301038



P/N T3010 Fig.28

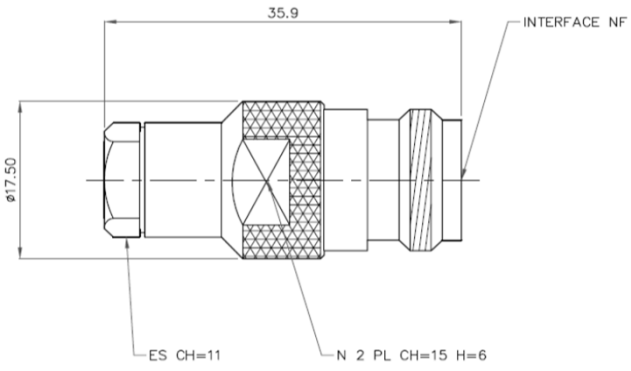
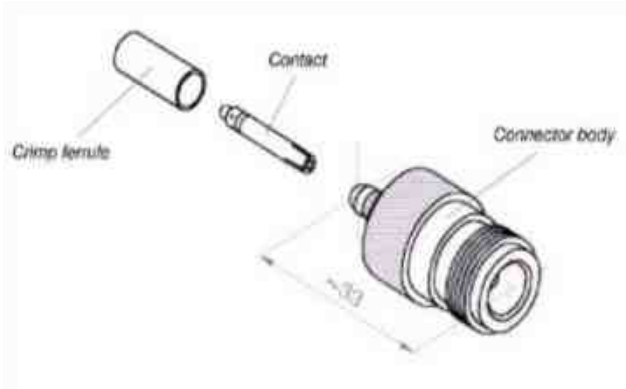


Fig.29 P/N 301056



P/N 301056TP Fig.30

DRAWINGS N

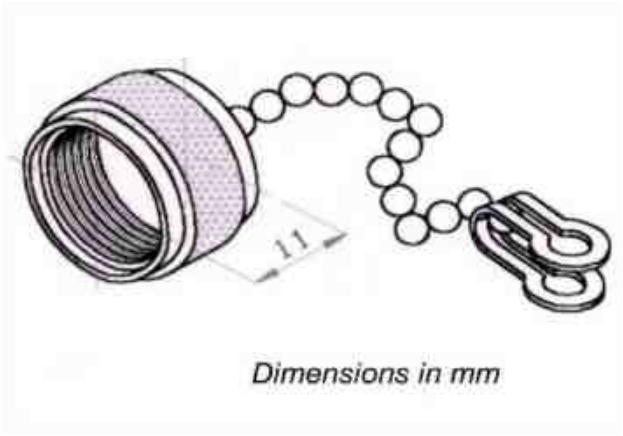
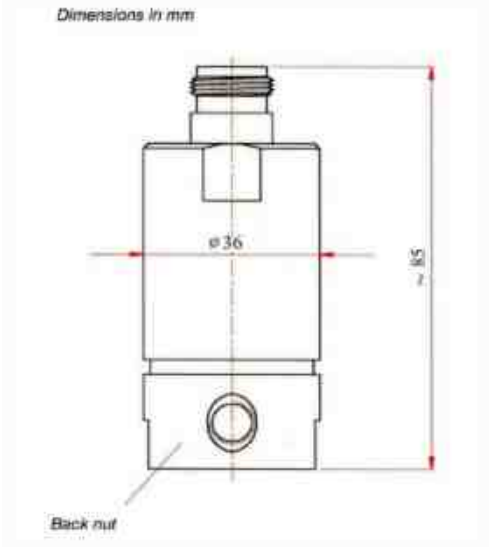


Fig.31 P/N T3020



P/N 301078RP Fig.32

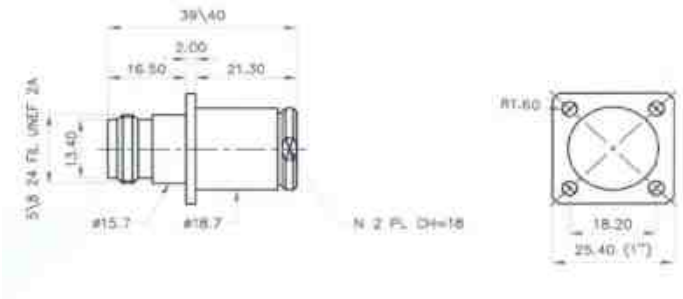
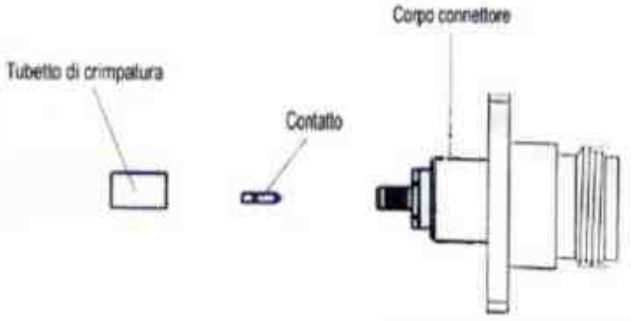


Fig.33 P/N 301611



P/N 301635TP Fig.34

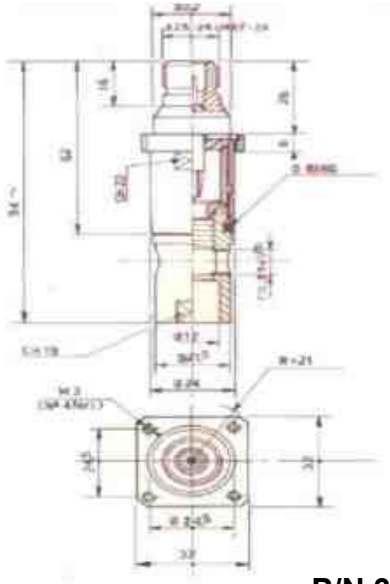
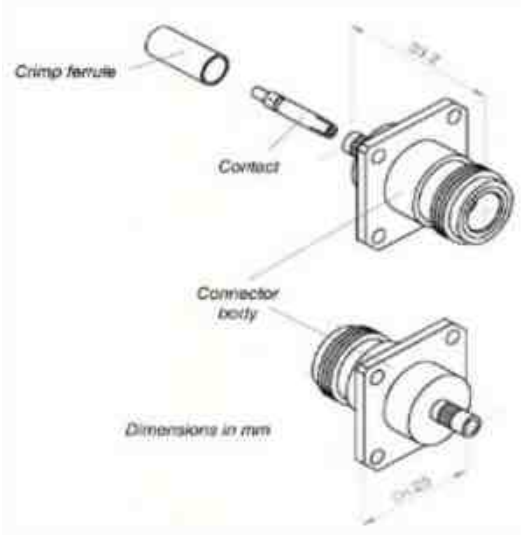


Fig.35 P/N 301638



P/N 301656TP Fig.36

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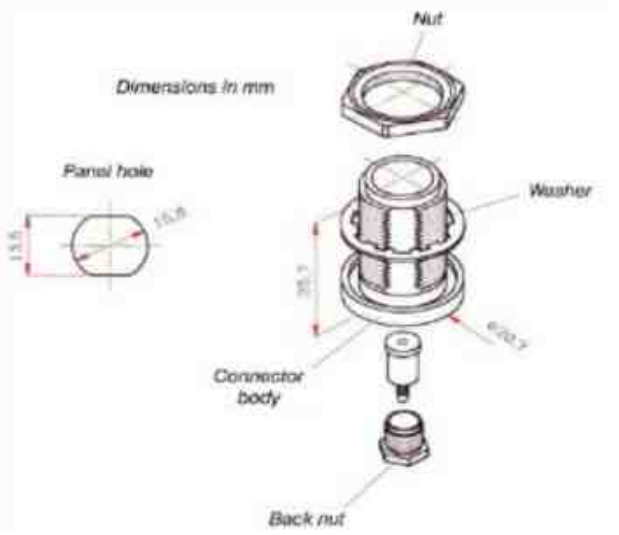
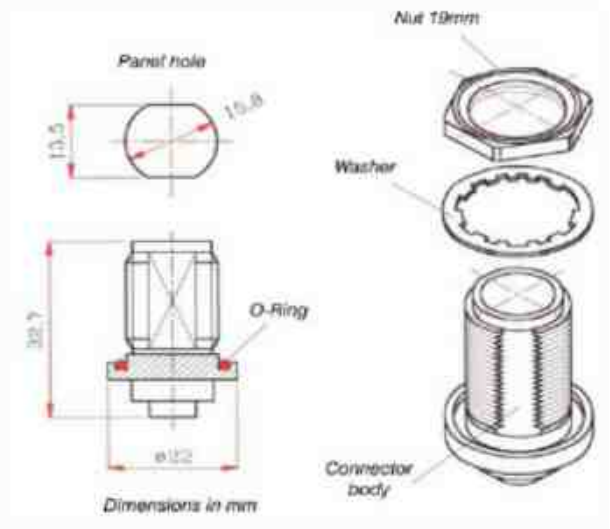


Fig.37 P/N 301835TP

P/N 301856TP Fig.38



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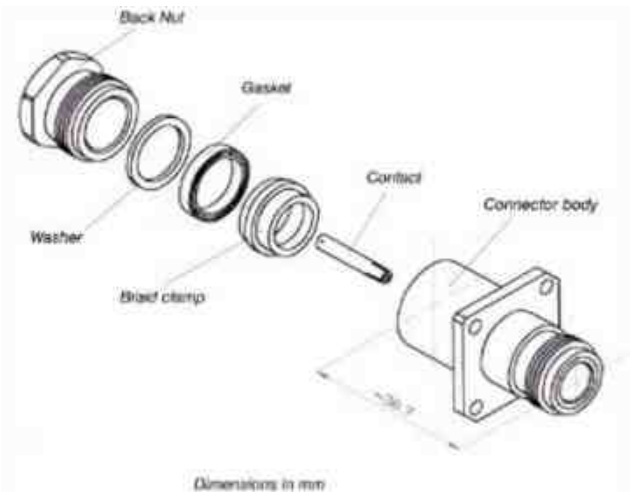


P/N 3016117 Fig.40

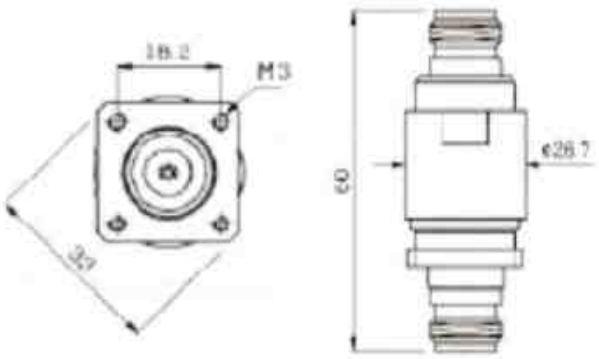
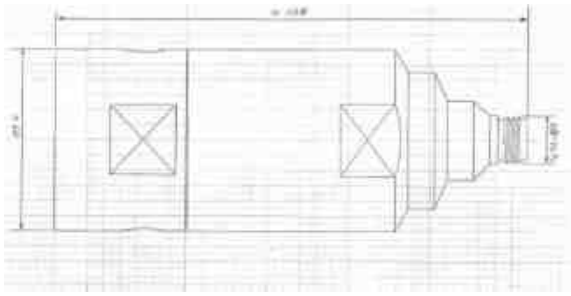


Fig.41 P/N GR3015301



P/N 301015 Fig.42

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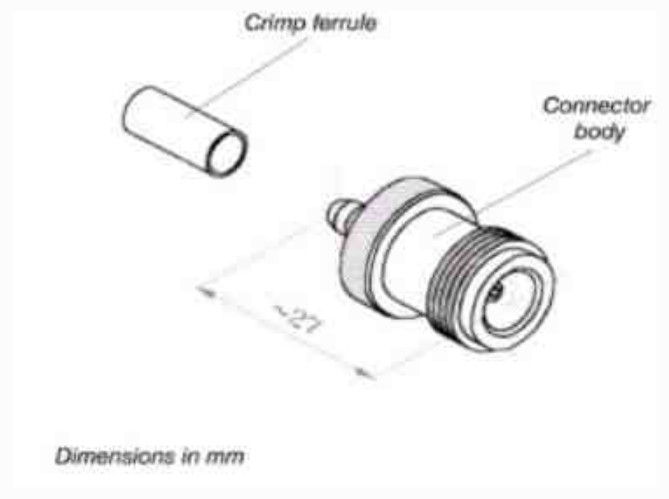
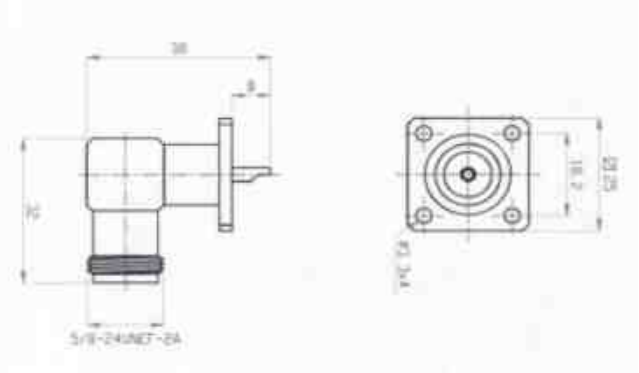


Fig.43 P/N 301087TP



P/N 301425 Fig.44

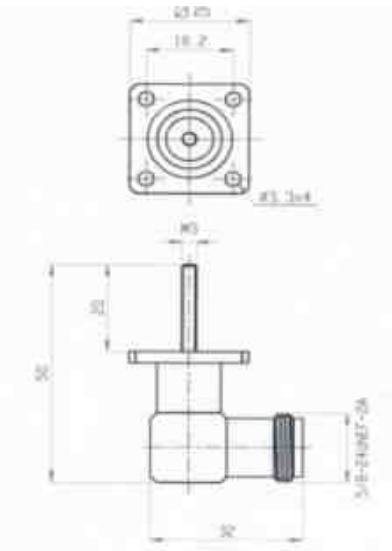
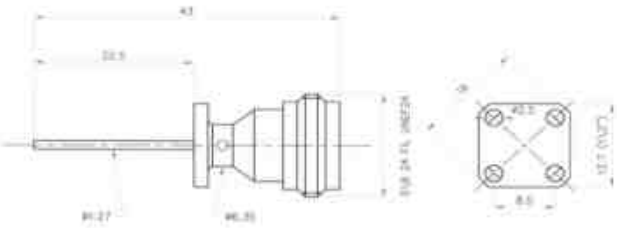


Fig.45 P/N 301425CF20



P/N 301513MS Fig.46

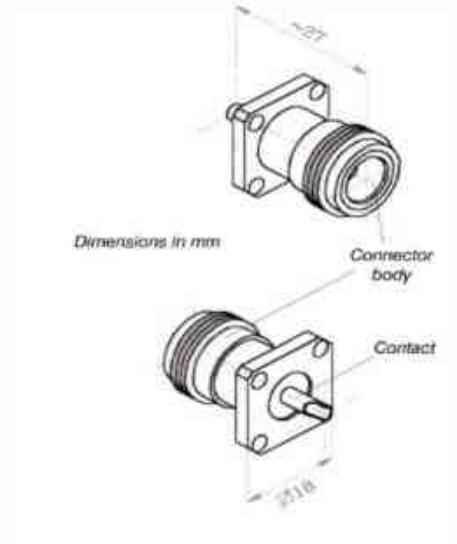
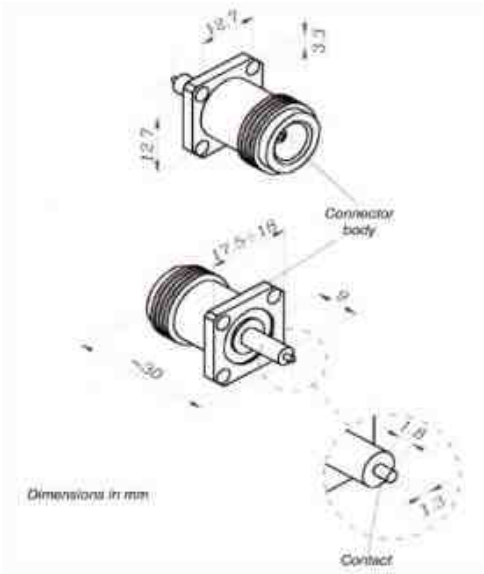


Fig.47 P/N 301518



P/N 301518CL Fig.48

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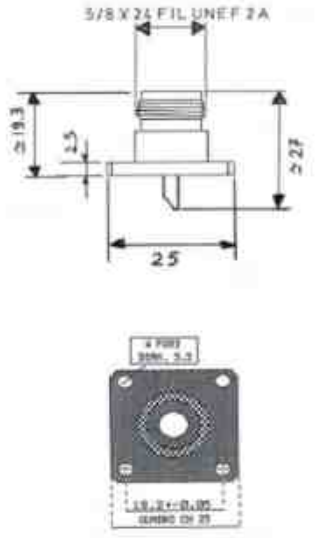
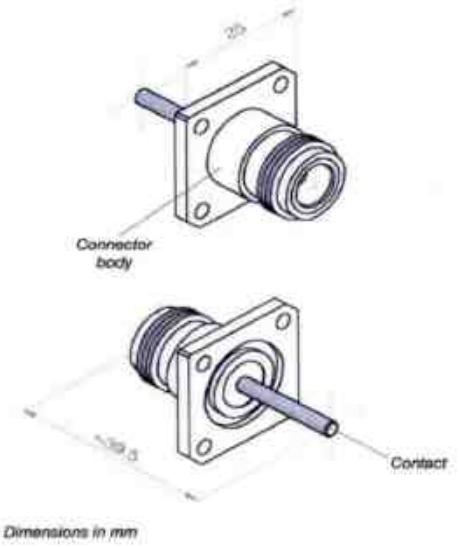


Fig.49 P/N 301525



P/N 301525CF20 Fig.50

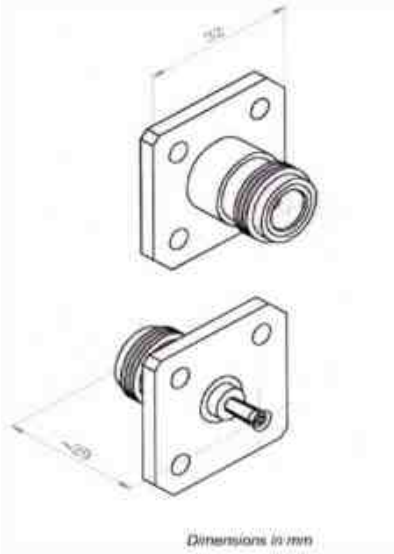
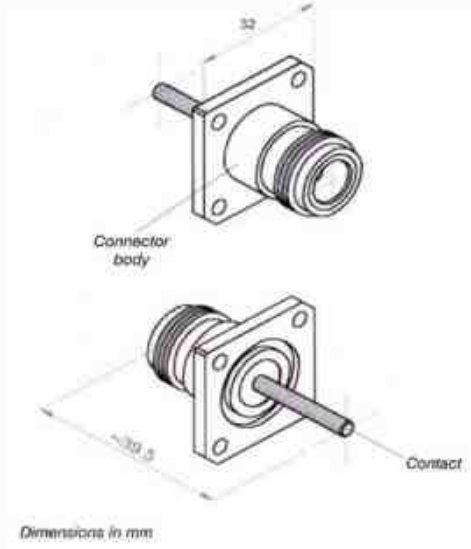


Fig.51 P/N 301532BD



P/N 301532CF20 Fig.52

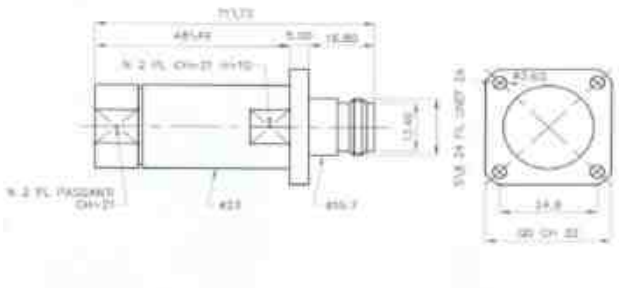
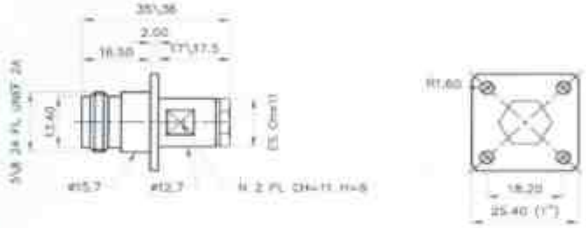


Fig.53 P/N 301612RP



P/N 301656 Fig.54

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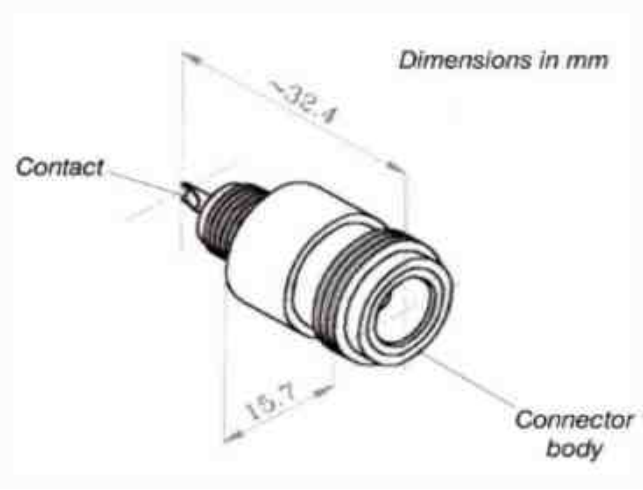
Fig.55 P/N 301700



P/N 301800RC Fig.56

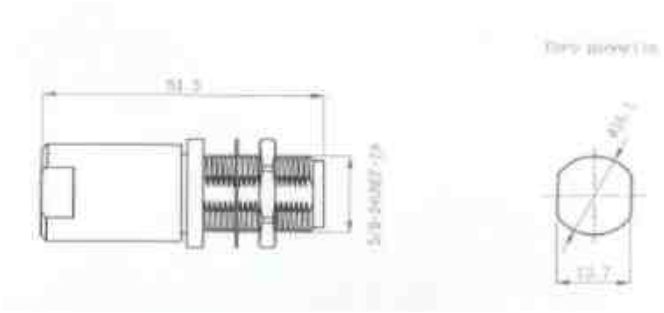


Fig.57 P/N 301814

P/N 301823GX Fig.58

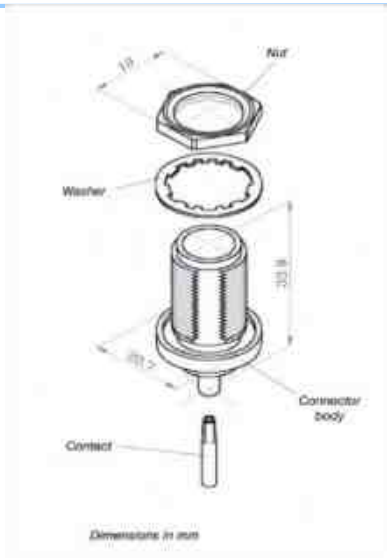
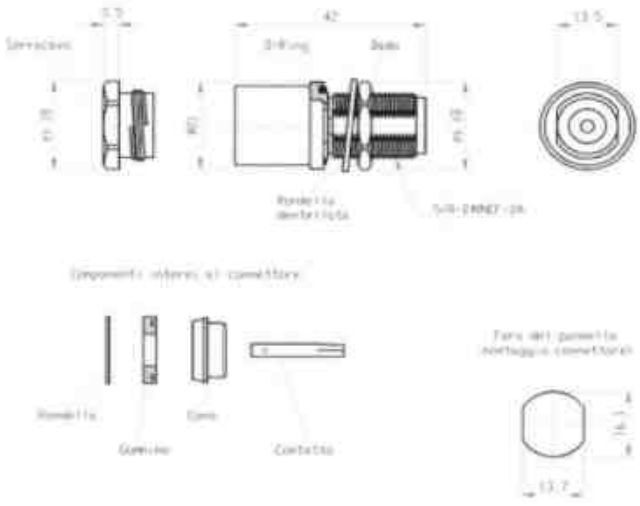


Fig.59 P/N 301836LV



P/N 301885 Fig.60

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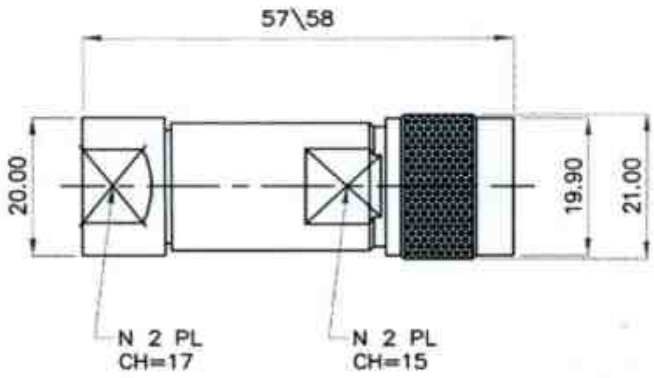
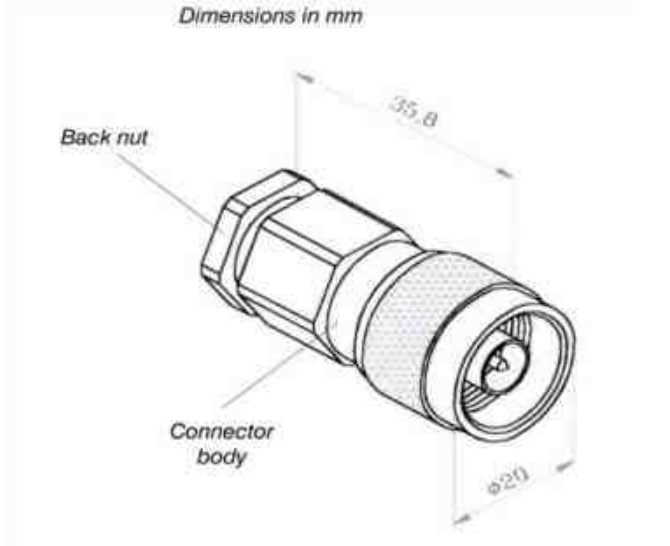


Fig.61 P/N 302013H

P/N 302014 Fig.62



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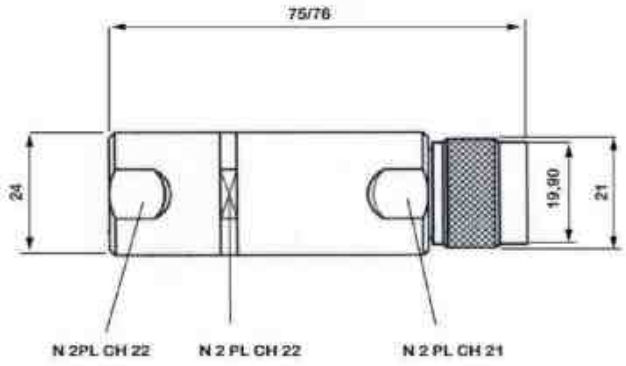


P/N 302027 Fig.64

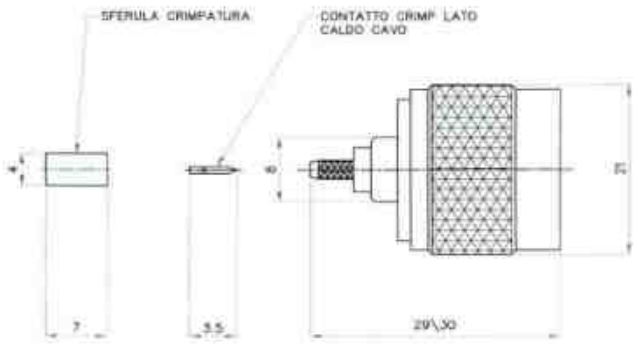
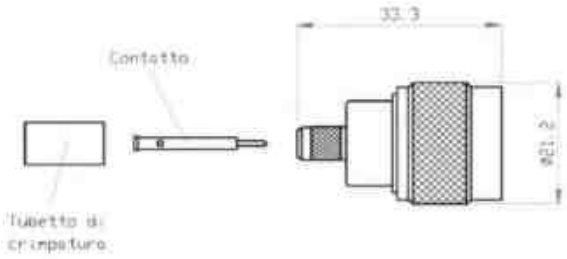


Fig.65 P/N 302035TP



P/N 302046TP Fig.66

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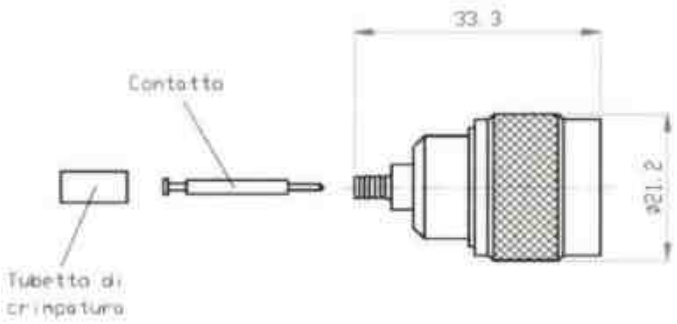
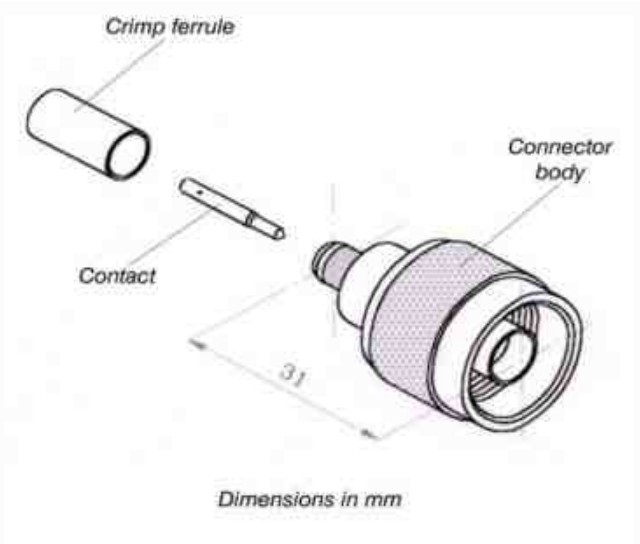


Fig.67 P/N 302049TP



P/N 302087TP Fig.68

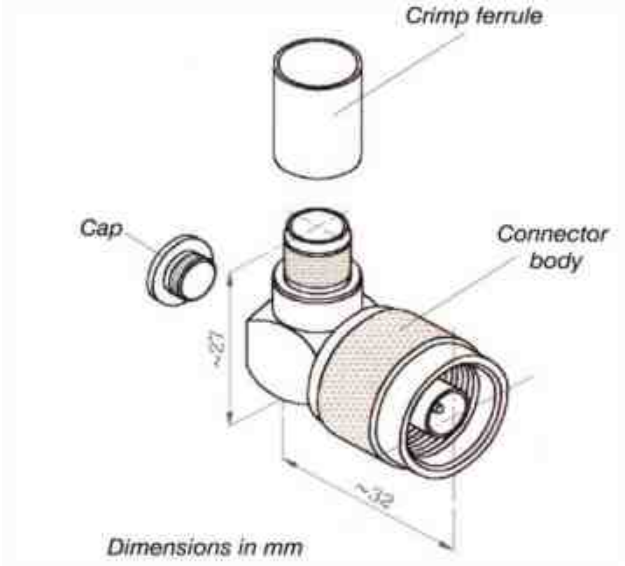
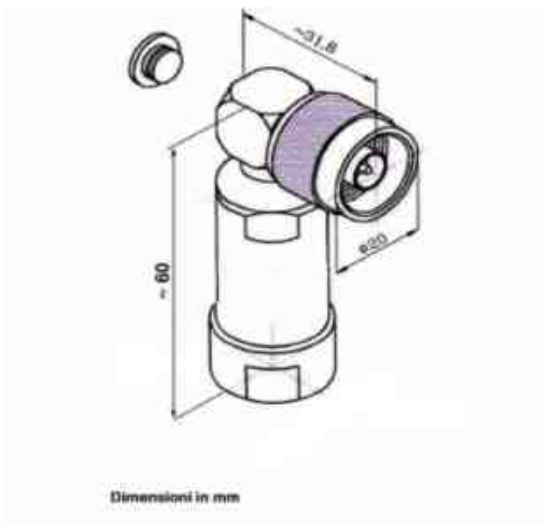


Fig.69 P/N 302411TP



P/N 302412H Fig.70

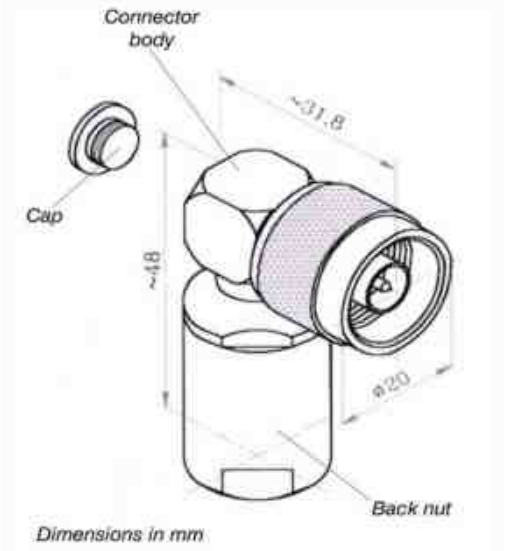
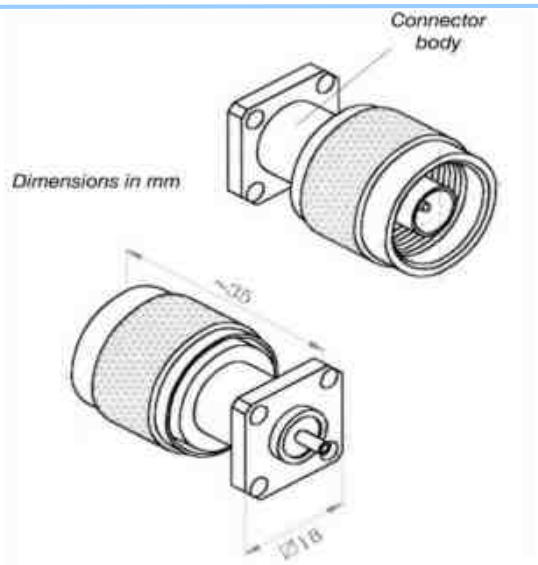


Fig.71 P/N 302414



P/N 302518 Fig.72

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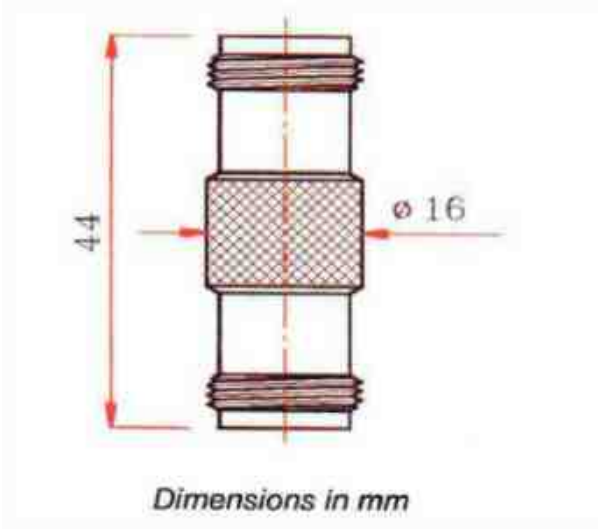
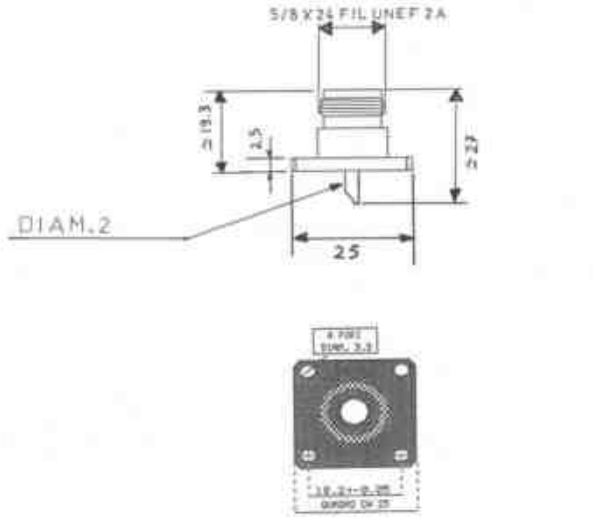


Fig.73 P/N 3013301



P/N 3015257 Fig.74

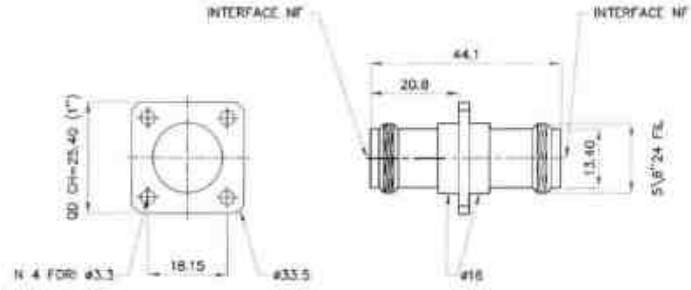
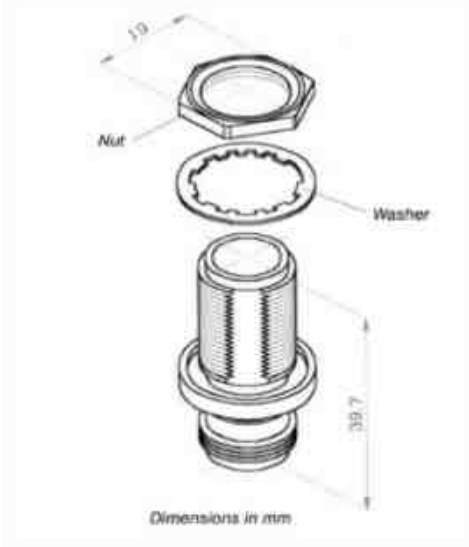


Fig.75 P/N 3015301



P/N 3017301 Fig.76

Fig.77 P/N 30173017

P/N 3020787RP Fig.78

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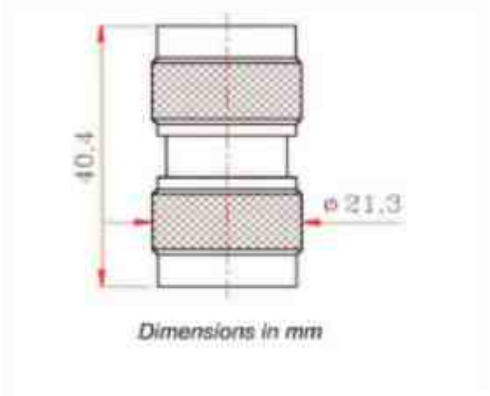
Fig.79 P/N 3023301



P/N 3023302 Fig.80

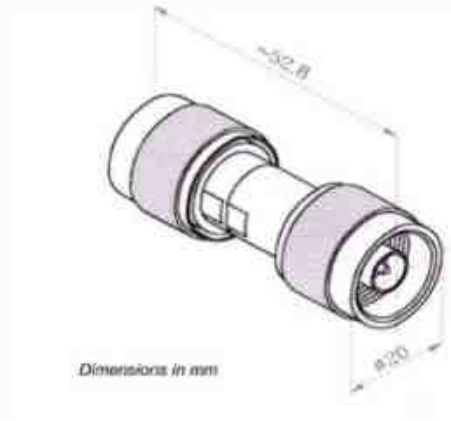
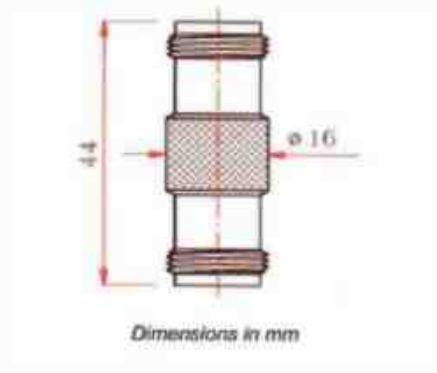


Fig.81 P/N 3023302LV

P/N 3024301 Fig.82

Fig.83 P/N 30090121



P/N 30133017 Fig.84

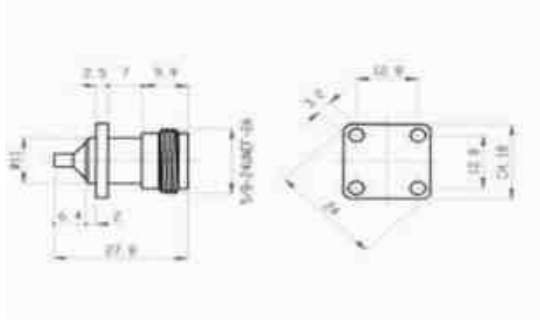
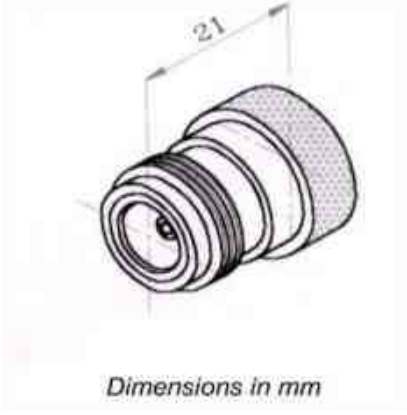


Fig.85 P/N 301623LV



P/N CC3010 Fig.86

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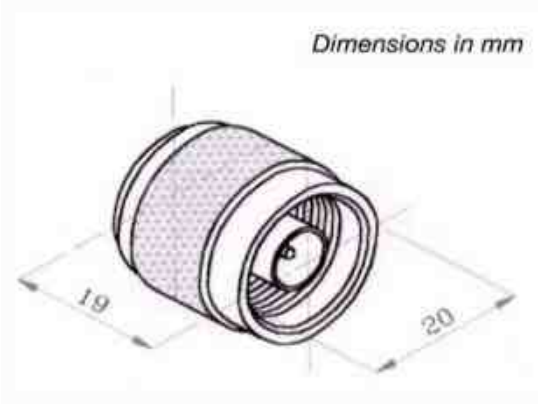
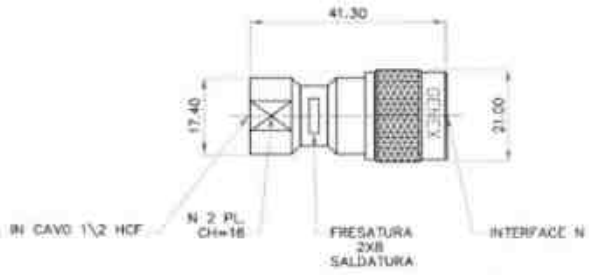


Fig.87 P/N CC3020



P/N 302012HS Fig.88

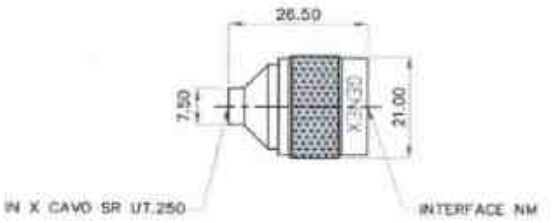
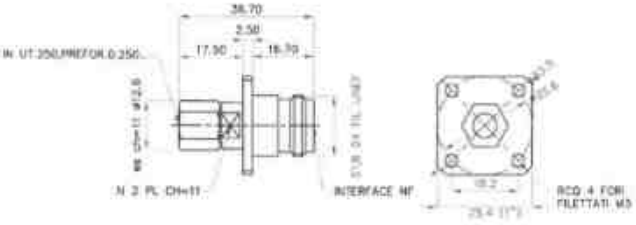


Fig.89 P/N 302065



P/N 301665 Fig.90

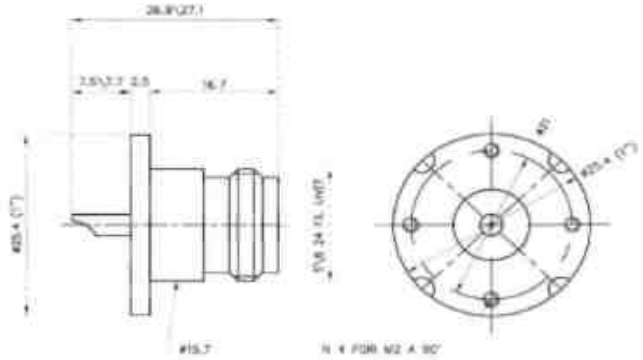
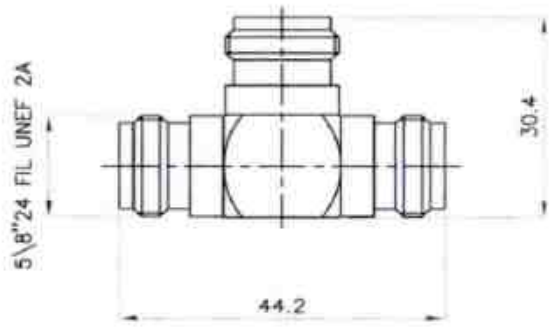


Fig.91 P/N MR301525



P/N 30090111 Fig.92

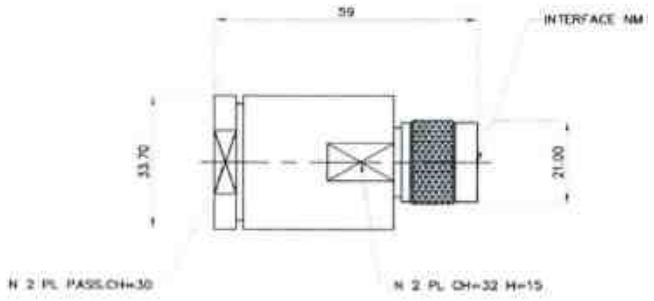
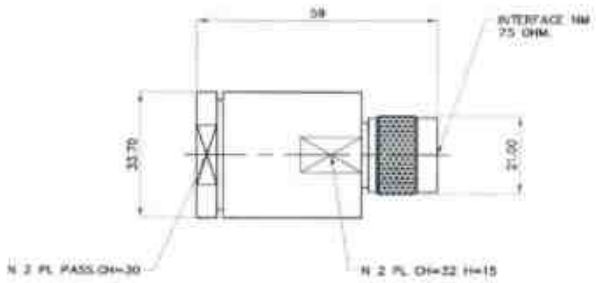


Fig.93 P/N 302022



P/N 3020227 Fig.94

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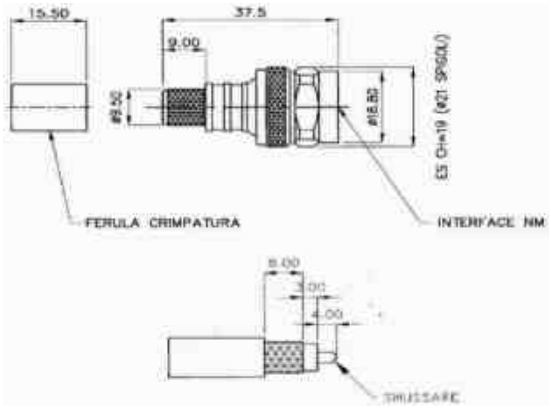
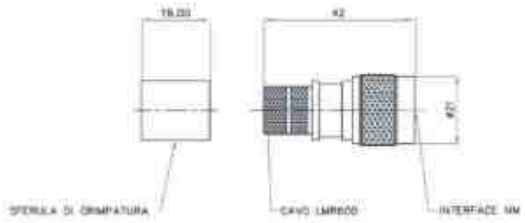


Fig.95 P/N 302011TPTW



P/N 302027TP Fig.96

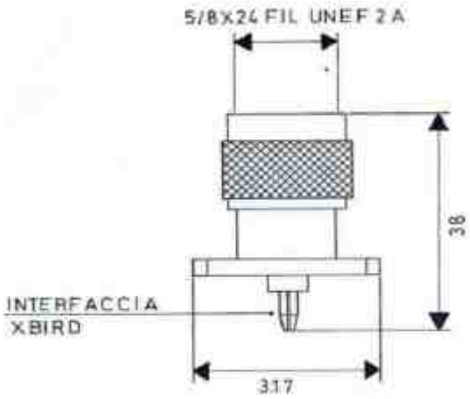
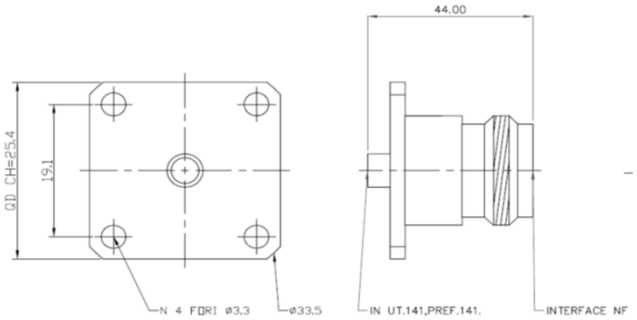


Fig.97 P/N 302532BD



P/N 301636SH Fig.98

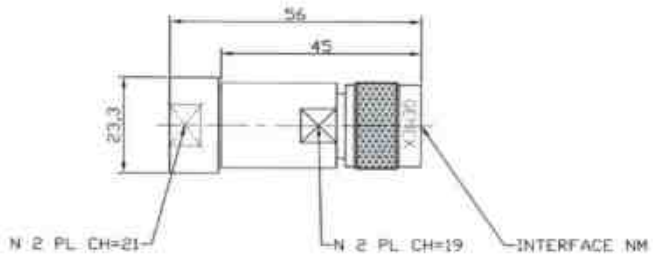
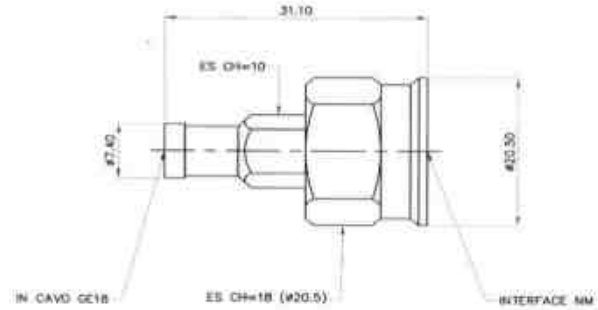


Fig.99 P/N 302012HFX



P/N 302090 Fig.100

Fig.101 P/N

P/N Fig.102

C

COAXIAL CONNECTORS 50Ω

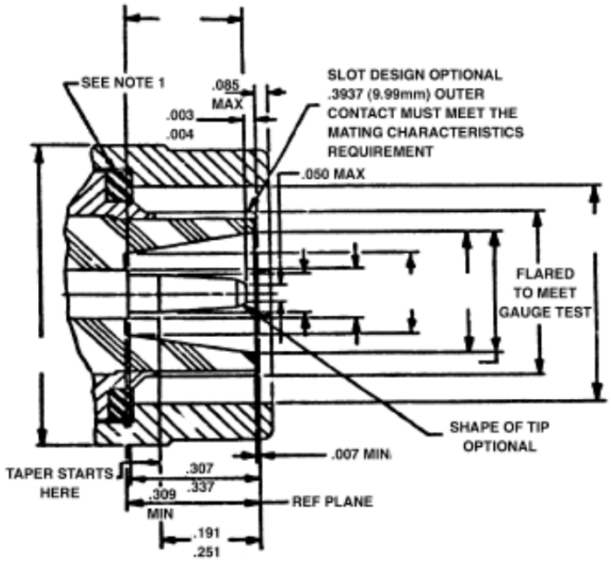
TECHNICAL INFORMATIONS C

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

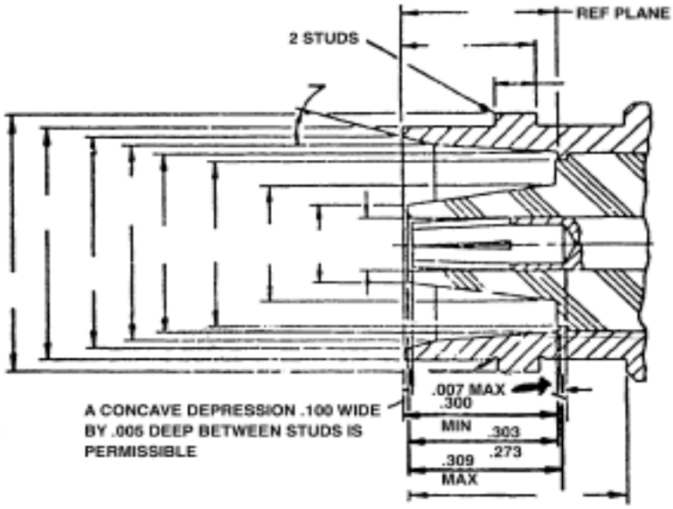
Above, are typical characteristics of C connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

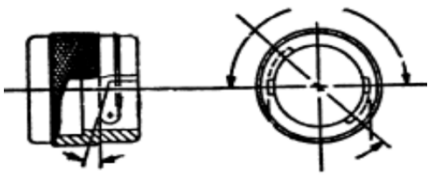
INTERFACE

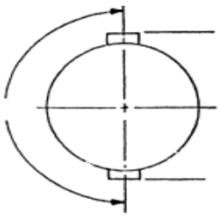
Plug (male)



Jack (female)







FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
312012	C m for 1/2” foam		

STRAIGHT JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
311078	C f for 7/8” foam		

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

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

DRAWINGS C

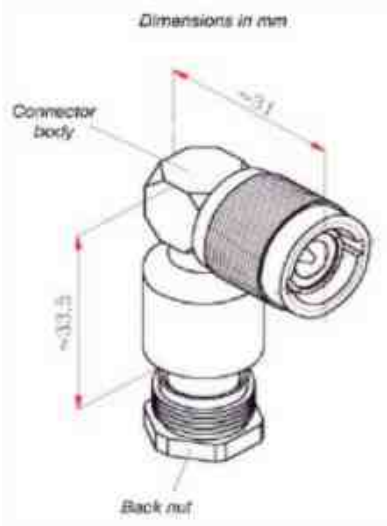


Fig.1 P/N 312411

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, synonim of :

- Quality
- Speed
- Competence and professionalism

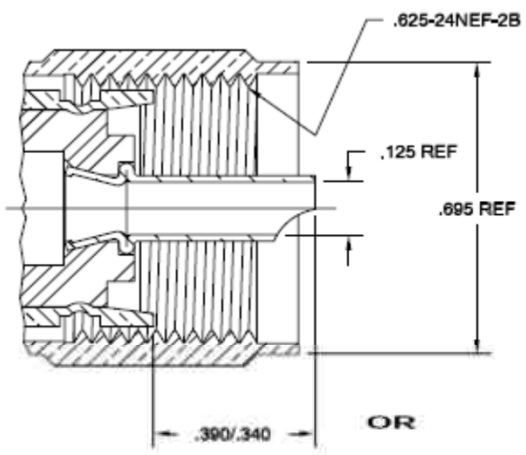
TECHNICAL INFORMATIONS UHF(PL)

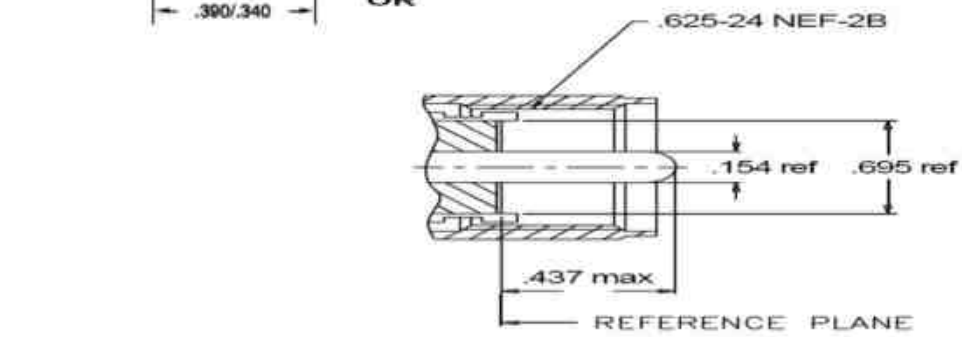
		notes
Frequency range	DC ÷ 500 MHz	
Impedance	50 Ω	
	75 Ω	on request
VSWR :	1.2 MAX	DC ÷ 200 MHz
	1.3 MAX	200 ÷ 500 MHz
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤1.0 mΩ	
	outer ≤1.0 mΩ	
Dielectric	0,6 kV rms 50Hz	
Temperature range	-45°C ÷ +65°C	

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

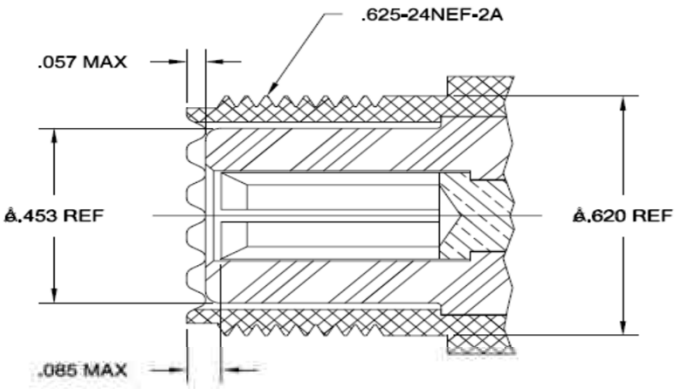
INTERFACE

Plug (male)





Jack (female)



FLEXIBLE CABLE CONNECTORS 50Ω 75Ω

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

STRAIGHT JACKS (F) SOLDERED

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

CORRUGATED CABLE CONNECTORS

STRAIGHT PLUGS (M)

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

STRAIGHT JACKS (F)

P.N. GENEX RF	Description	OHM	Notes	Fig.
401012	UHF f for 1/2” foam	50 Ω		

RECEPTACLES WITH SOLDER END 50Ω 75Ω

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	OHM	Notes	Fig.
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)

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

ADAPTERS UHF - UHF

P.N. GENEX RF	Description	OHM	Notes	Fig.
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

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

DRAWINGS UHF(PL)

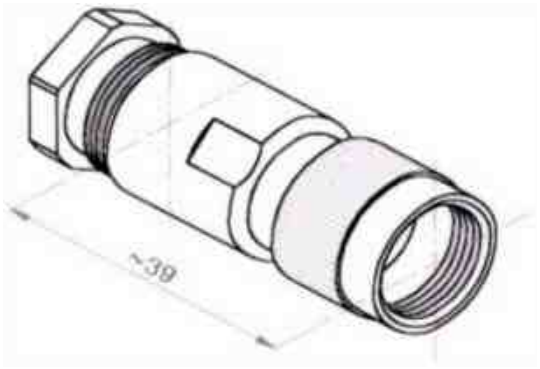
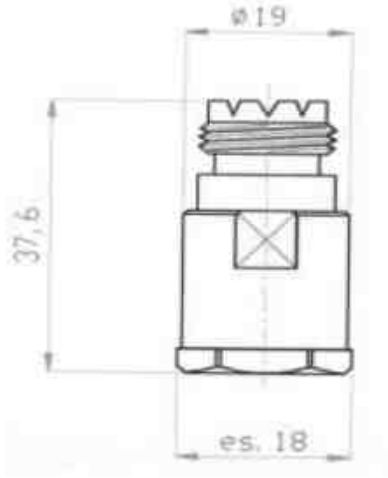


Fig.1 P/N 402085



P/N 4010857 Fig.2

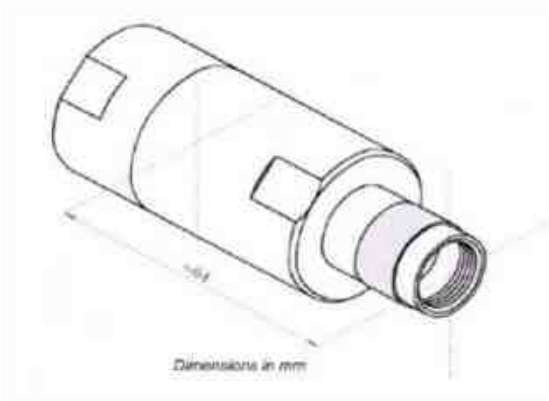


Fig.3 P/N 402078

P/N Fig.4

Fig.5 P/N

P/N Fig.6

SC

COAXIAL CONNECTORS 50Ω

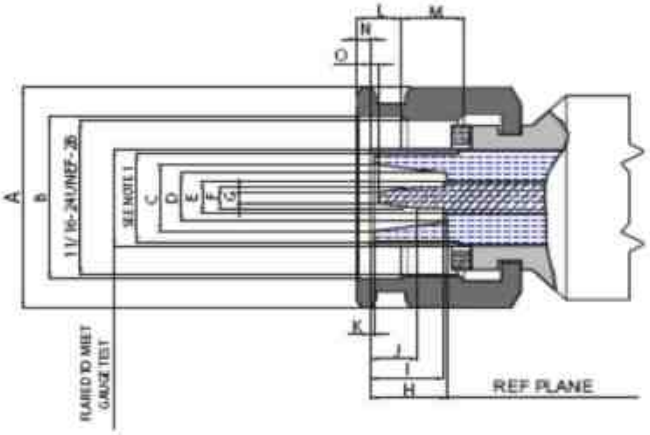
TECHNICAL INFORMATIONS SC

		notes
Frequency range	DC ÷ 11 GHz	
Impedance	50 Ω	
VSWR :	1.3 MAX	
Insulation	≥ 5 * 10^3 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	

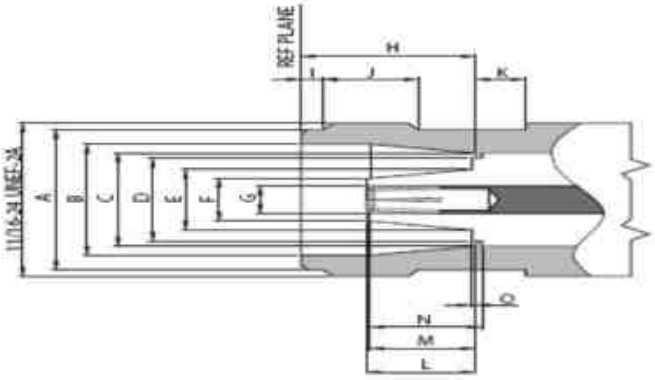
Above, are typical characteristics of SC connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

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

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT JACKS (F) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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)

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

STRAIGHT JACKS (F)

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

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

ADAPTERS SC - SC

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
CC3210	Short SC f		
CC3220	Short SC m		

PROTECTIVE CAPS

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

DRAWINGS SC

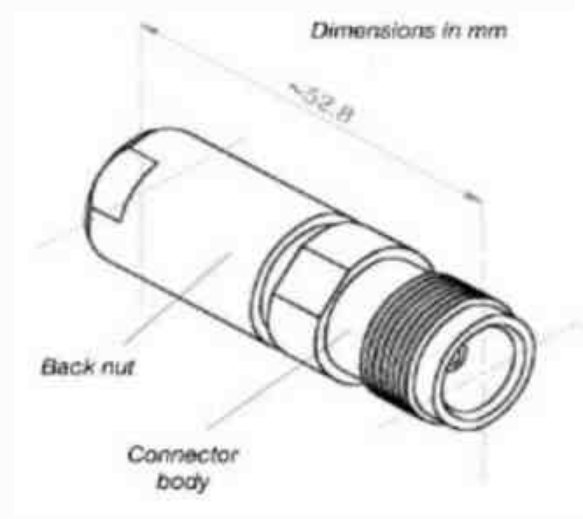
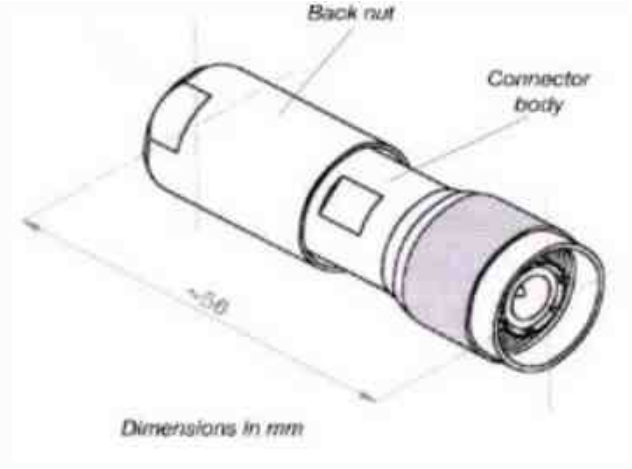


Fig.1 P/N 321014



P/N 322014 Fig.2

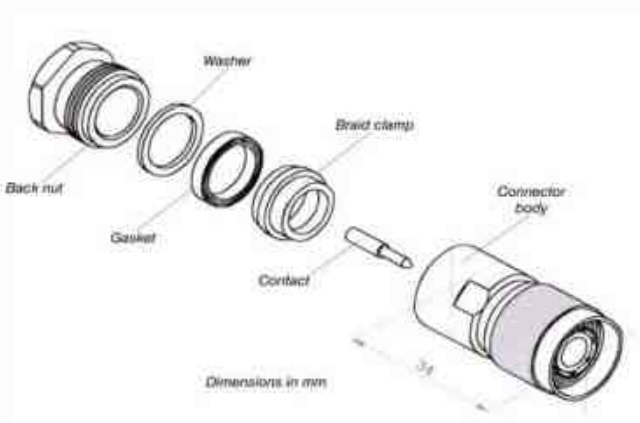
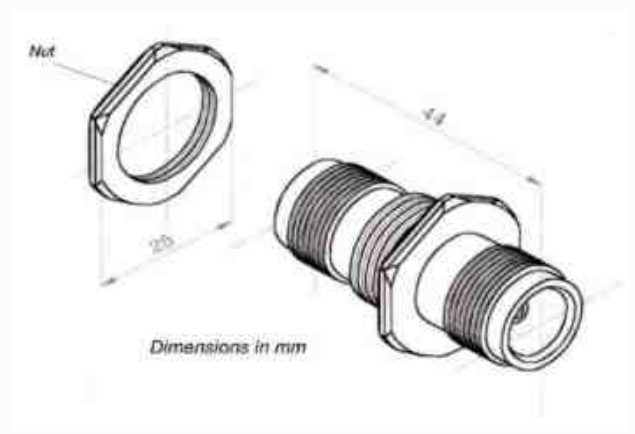


Fig.3 P/N 322011



P/N 3217321 Fig.4

Fig.5 P/N

P/N Fig.6

HN

COAXIAL CONNECTORS 50Ω

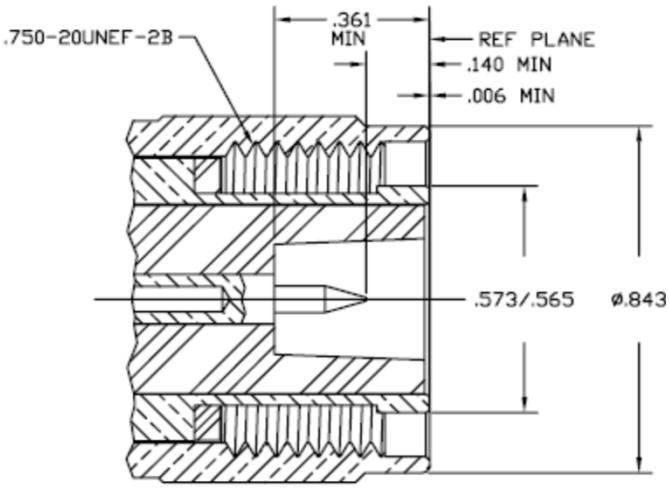
TECHNICAL INFORMATIONS HN

		notes
Frequency range	DC ÷ 4 GHz	
Impedance	50 Ω	
VSWR :	1.35 MAX	
Insulation	≥ 5 * 10^3 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	

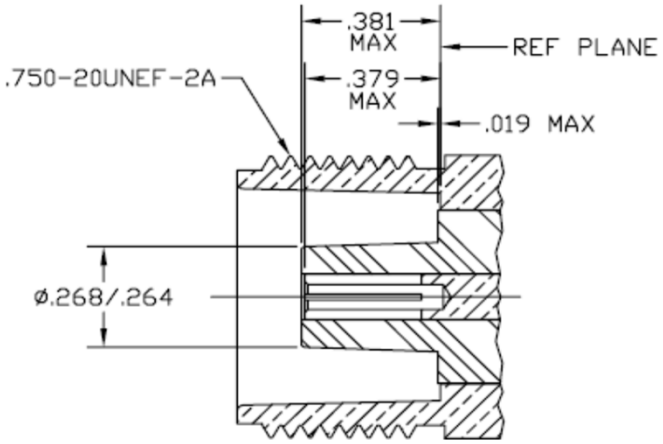
Above, are typical characteristics of HN connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Plug (male)



Jack (female)



FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

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

RIGHT ANGLE 90° PLUGS (M) SOLDERED

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

STRAIGHT JACKS (F) SOLDERED

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

STRAIGHT PANEL JACKS (F) SOLDERED

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

SEMIRIGID CABLE CONNECTORS

STRAIGHT PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
502036	HN m for UT.141		

STRAIGHT PANEL JACKS (F)

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

CORRUGATED CABLE CONNECTORS

STRAIGHT PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
501012	HN f for 1/2” foam		
501078	HN f for 7/8” foam		

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
501678	HN f for 7/8” foam	flange 30x30	

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

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

ADAPTERS HN - HN

P.N. GENEX RF	Description	Notes	Fig.
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

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

DRAWINGS HN

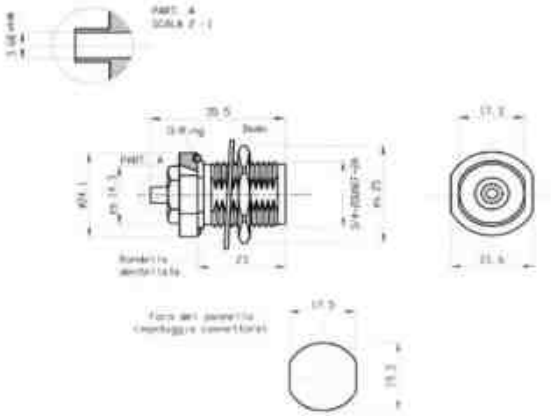
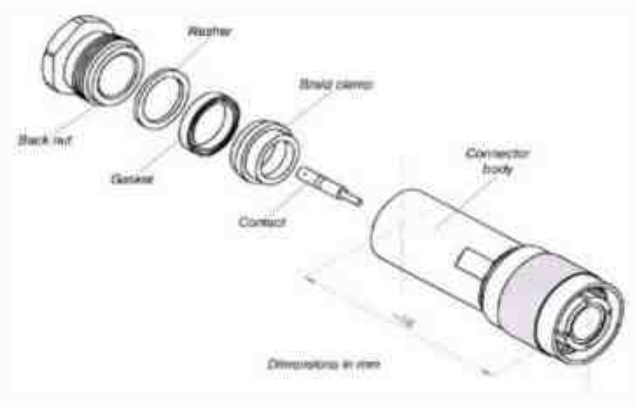


Fig.1 P/N 501836LV



P/N 502011 Fig.2

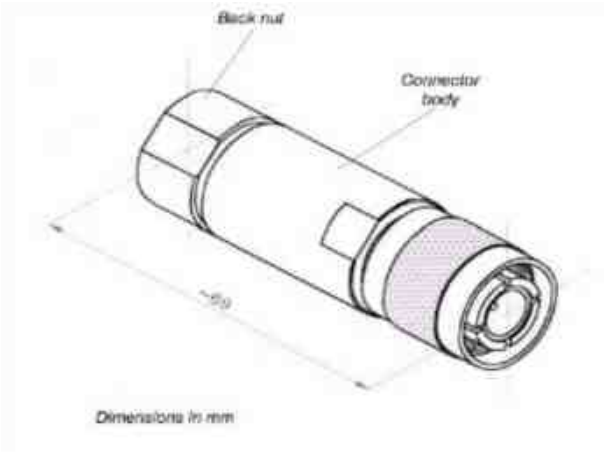
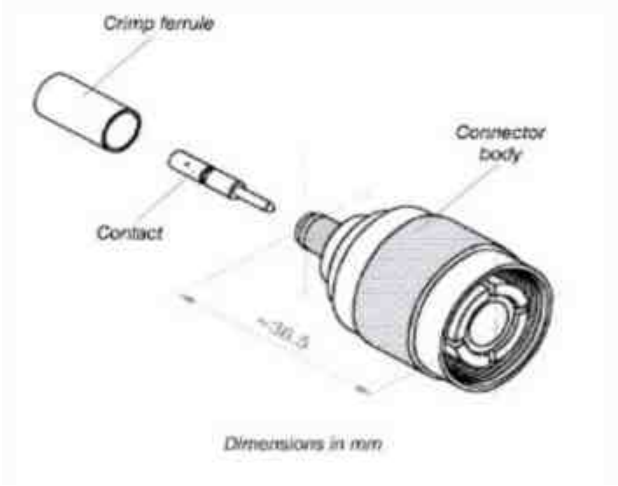


Fig.3 P/N 502012RP



P/N 502087TP Fig.4

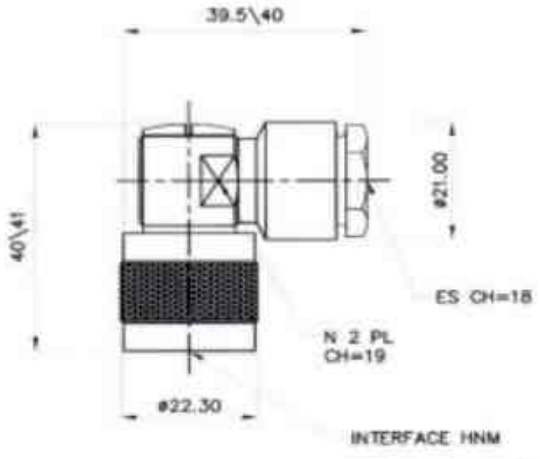
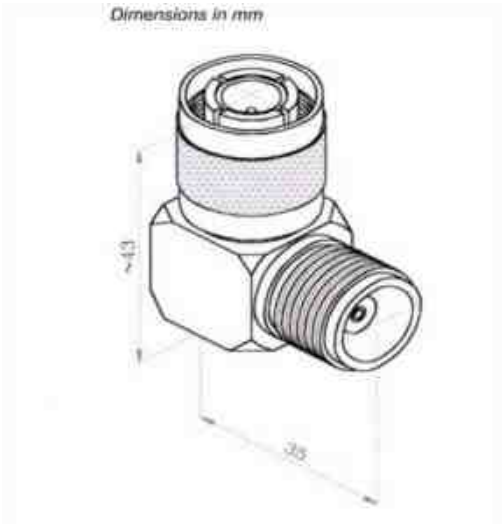


Fig.5 P/N 502411



P/N 5024501 Fig.6

DRAWINGS HN

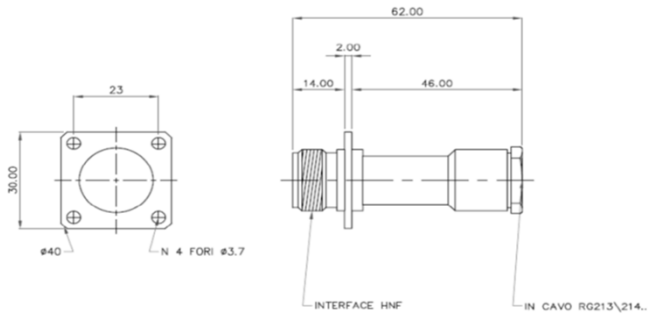


Fig.7 P/N 501611

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.

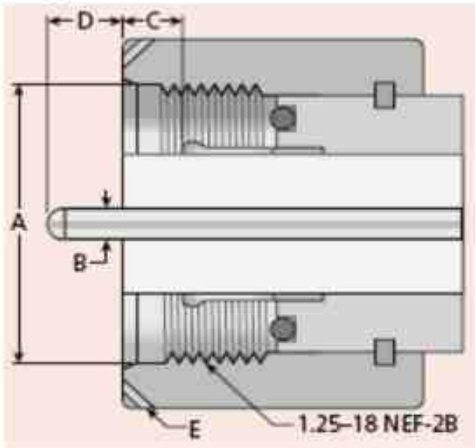
TECHNICAL INFORMATIONS LC

		notes
Frequency range	DC ÷ 1 GHz	
Impedance	50 Ω	
VSWR :	1.20 MAX	
Insulation	≥ 5 * 10^3 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

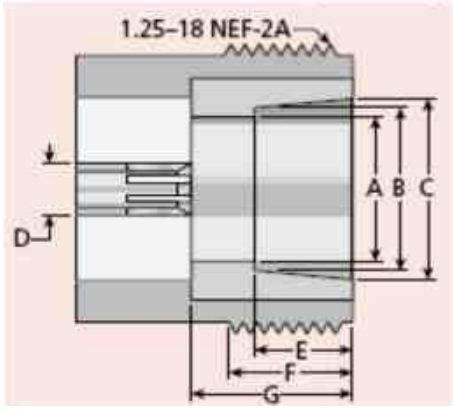
INTERFACE : MIL-STD-348

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

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

RIGHT ANGLE 90° PLUGS (M) SOLDERED

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

CORRUGATED CABLE CONNECTORS

STRAIGHT PLUGS (M)

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

STRAIGHT JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
601015A	LC f for 1”5/8 air		

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL PLUGS (M)

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

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
CC6010	Short LC f		
CC6020	Short LC m		

PROTECTIVE CAPS

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

DRAWINGS LC

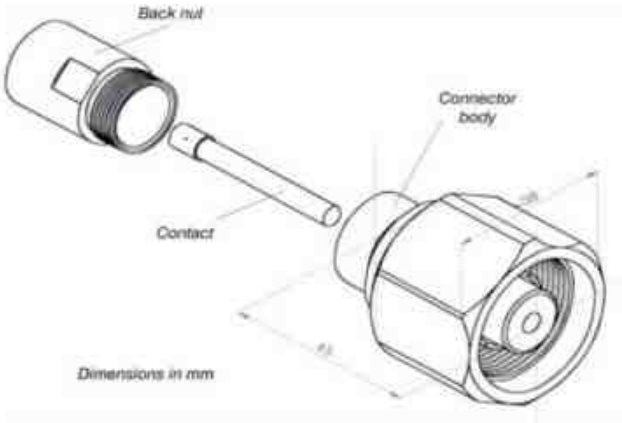
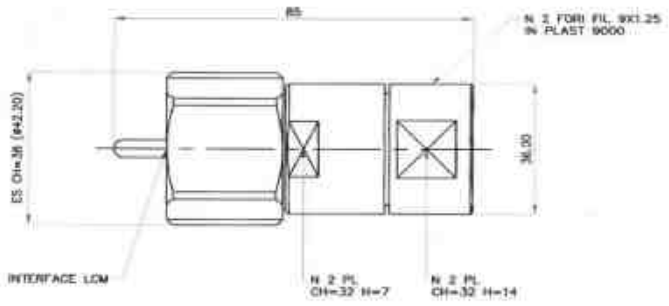


Fig.1 P/N 602012



P/N 602078RP Fig.2

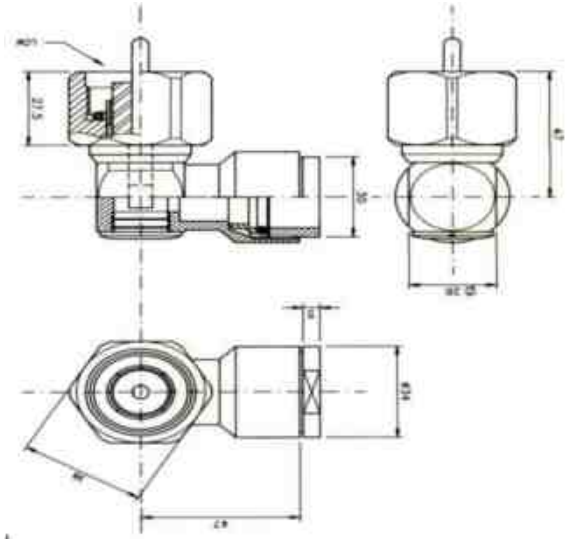
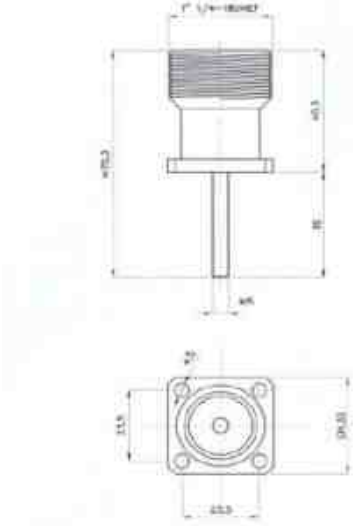


Fig.3 P/N 602422



P/N 601532CF Fig.4

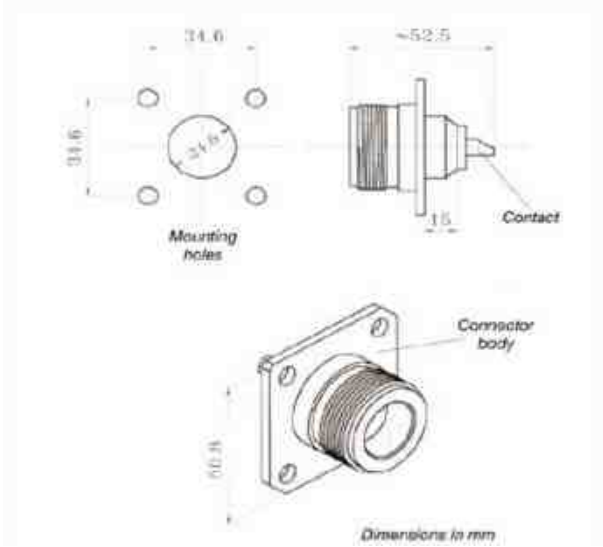
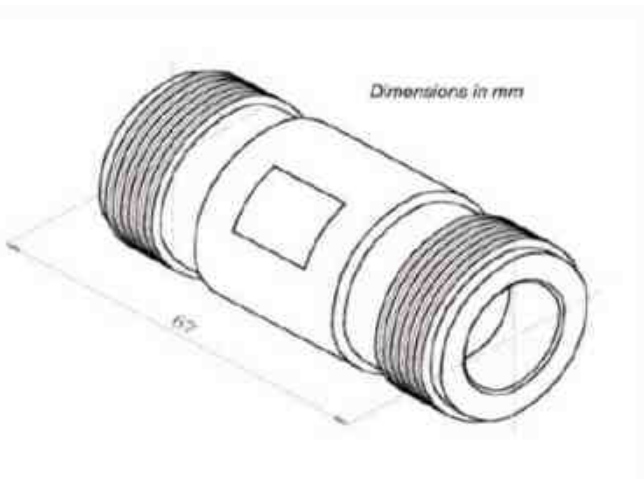


Fig.5 P/N 601550



P/N 6013601 Fig.6

DRAWINGS LC

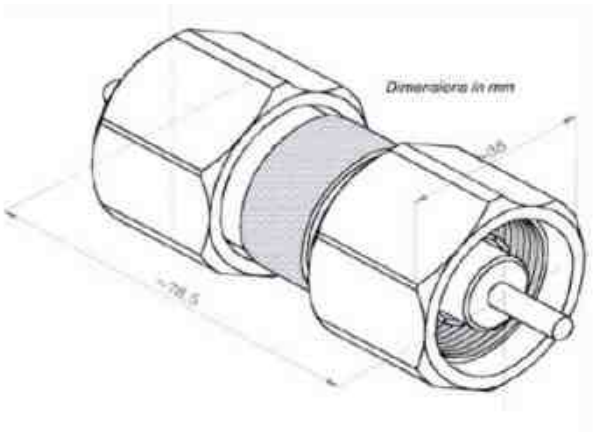
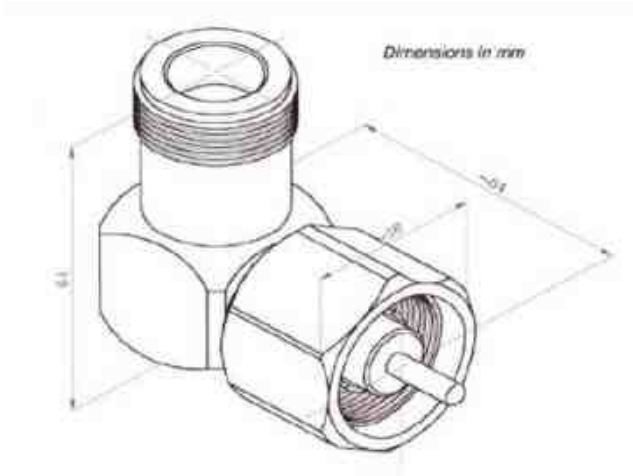


Fig.7 P/N 6023602



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

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
THT1700CF	THT f threaded contact	bulkhead	1

ADAPTERS THT - N

P.N. GENEX RF	Description	Notes	Fig.
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

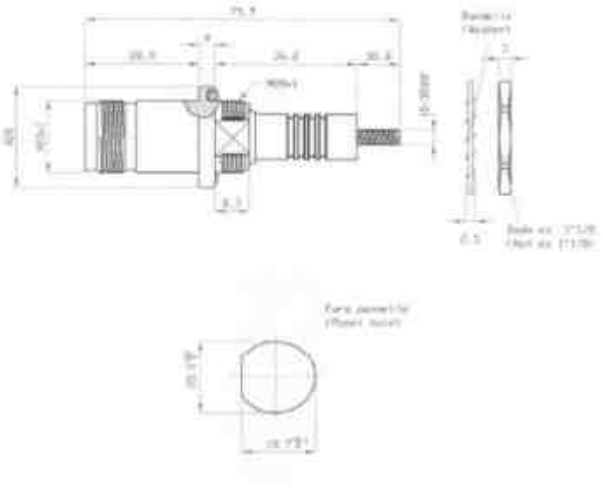
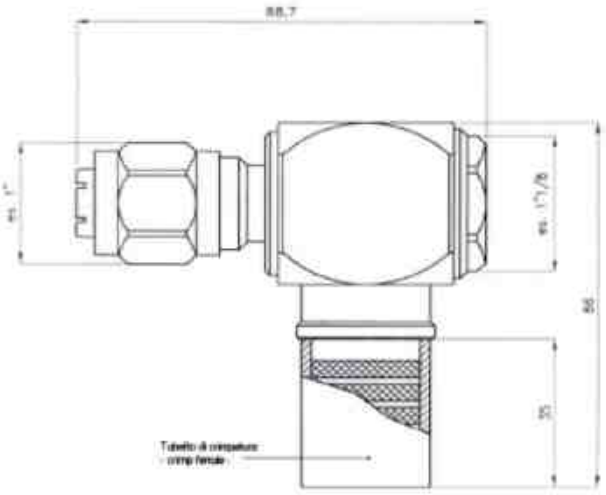


Fig.1 P/N THT1700CF



P/N THT2422TP Fig.2

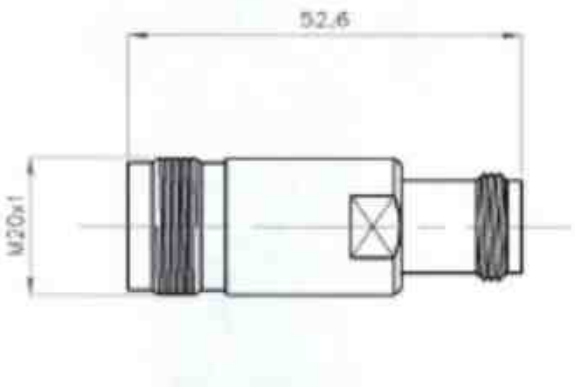
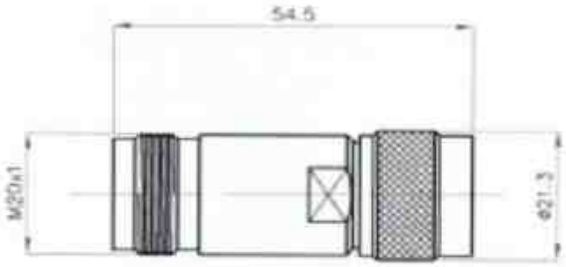


Fig.3 P/N THT13301



P/N THT13302 Fig.4

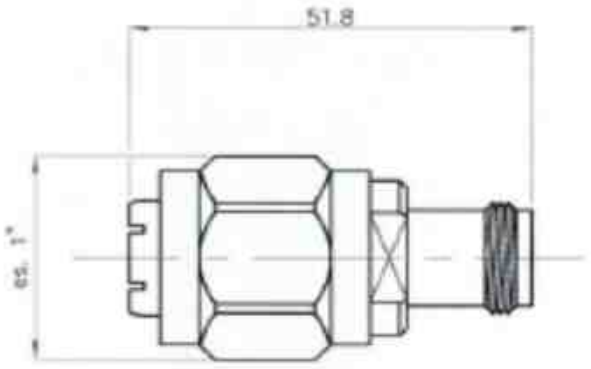
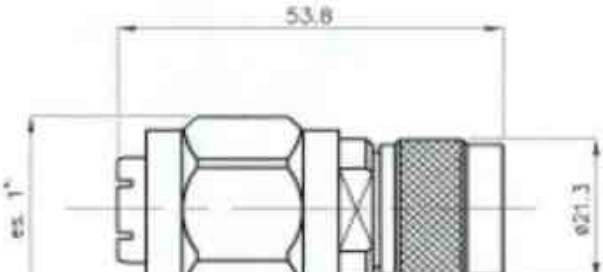


Fig.5 P/N THT23301



P/N THT23302 Fig.6

SMA

COAXIAL CONNECTORS 50Ω

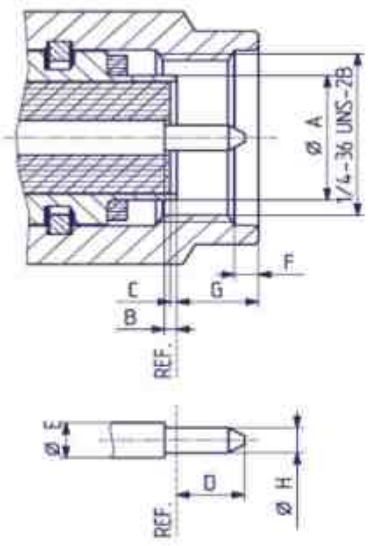
TECHNICAL INFORMATIONS SMA

		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 * 10^3 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

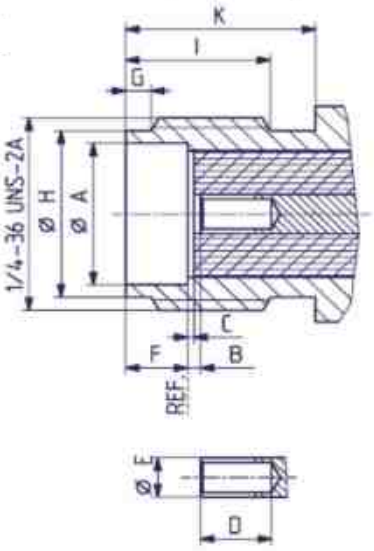
INTERFACE

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

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

STRAIGHT PLUGS (M) CRIMP

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT JACKS (F) CRIMP

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

STRAIGHT PANEL JACKS (F) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

STRAIGHT JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

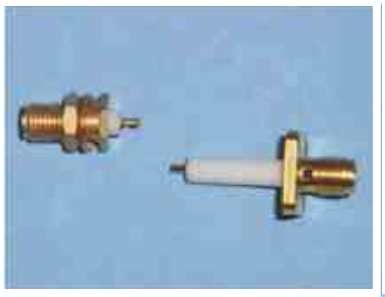
RIGHT ANGLE 90° PANEL PLUGS (M)

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

RIGHT ANGLE 90° PCB PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
3324CSLV	SMA m for pcb		9

STRAIGHT PANEL JACKS (F)



P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
CC3310	Short SMA f		
CC3320	Short SMA m		

PROTECTIVE CAPS

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

DRAWINGS SMA

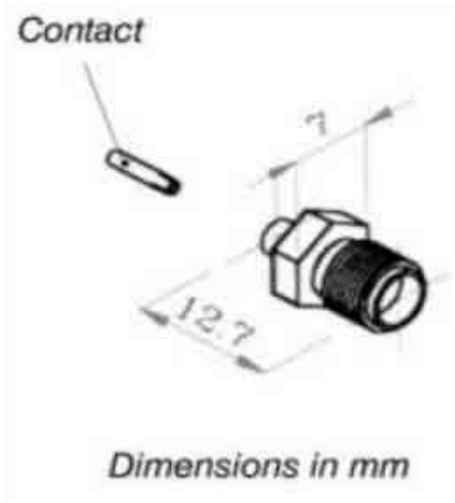
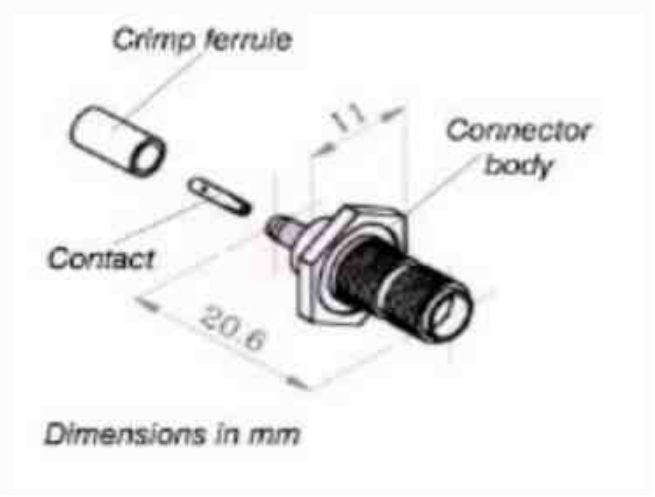


Fig.1 P/N 331023



P/N 331835TP Fig.2

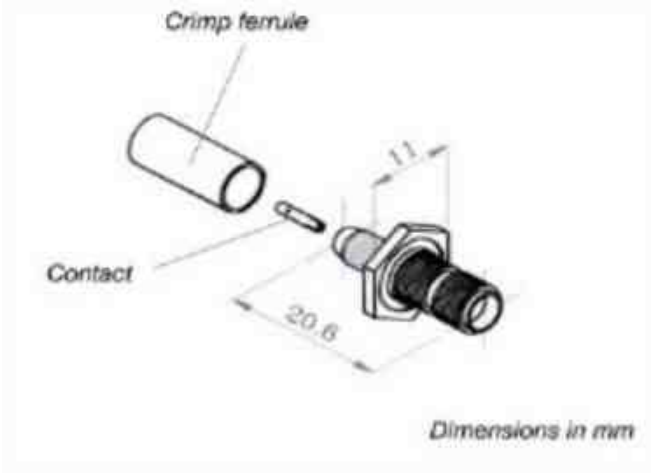


Fig.3 P/N 331856TP

P/N 332023 Fig.4

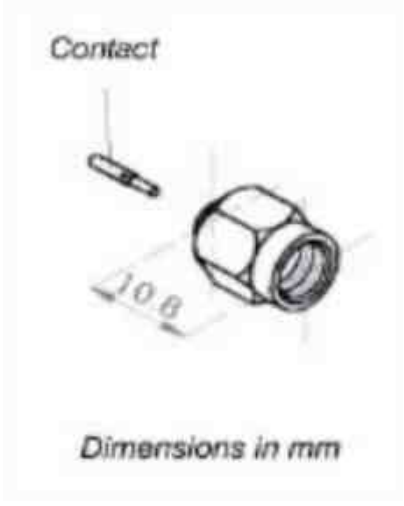
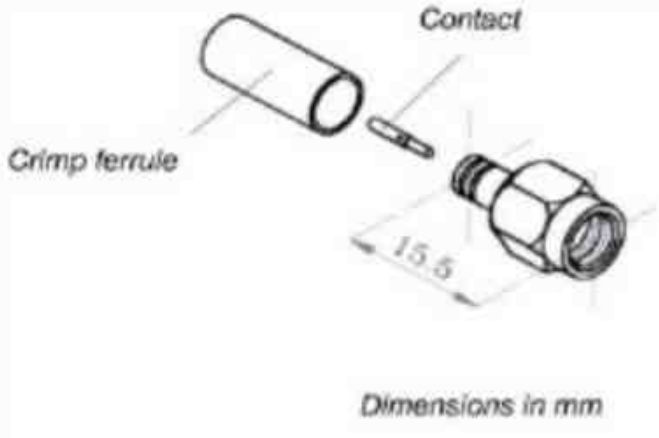


Fig.5 P/N 332036



P/N 332056TP Fig.6

DRAWINGS SMA

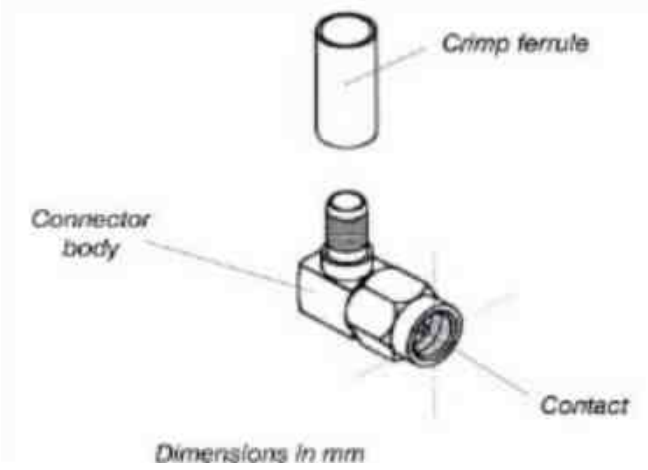
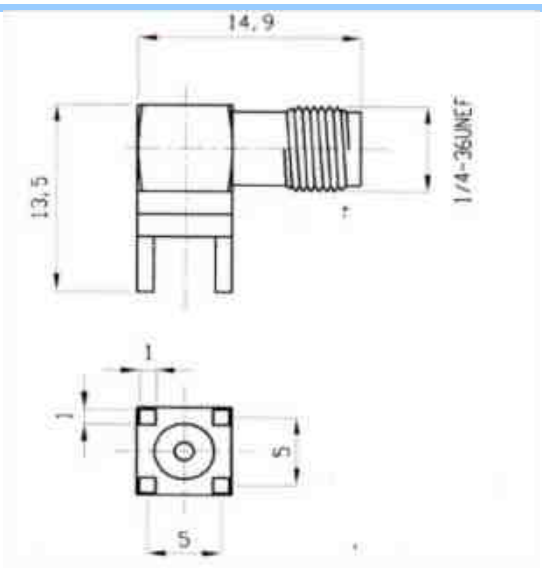


Fig.7 P/N 332456TP



P/N 3314CSLV Fig.8

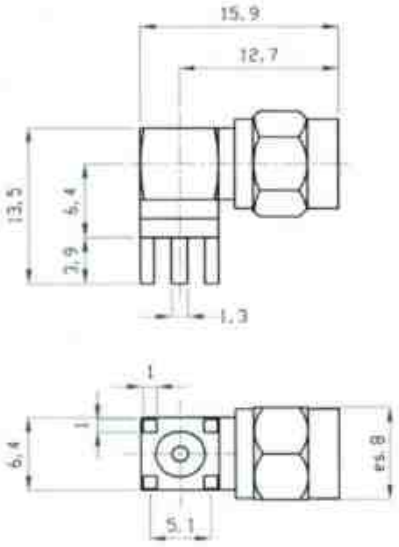
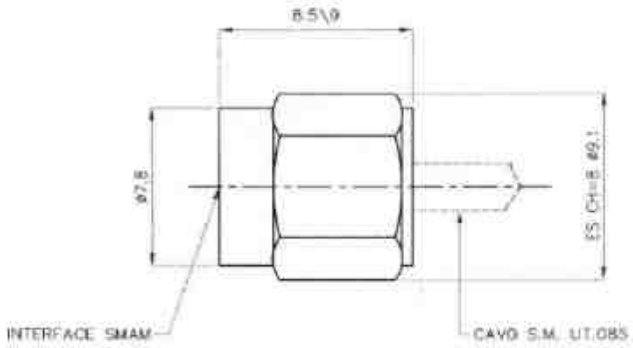


Fig.9 P/N 3324CSLV



P/N 332023LVC Fig.10

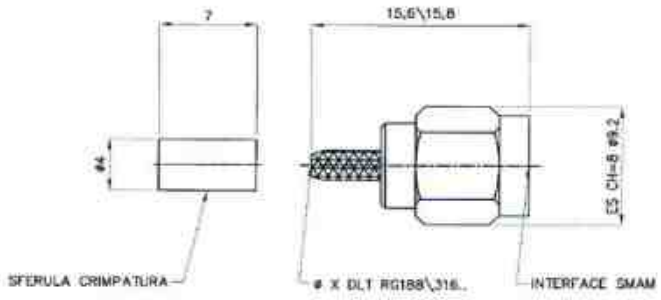
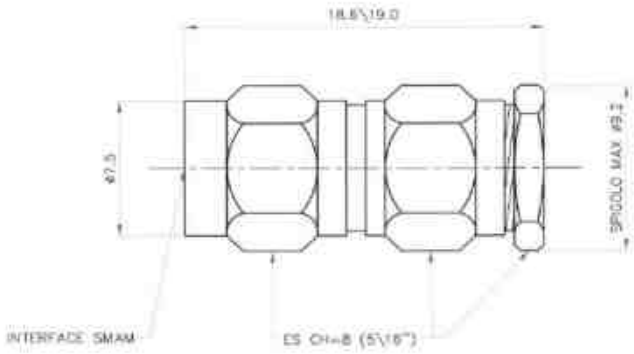


Fig.11 P/N 332035TP



P/N 332056 Fig.12

DRAWINGS SMA

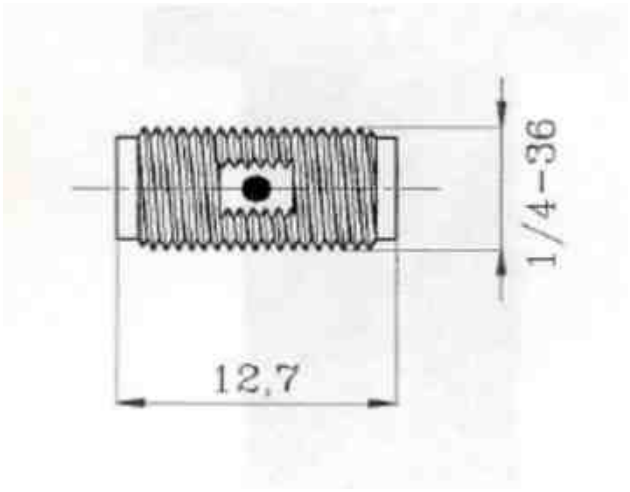
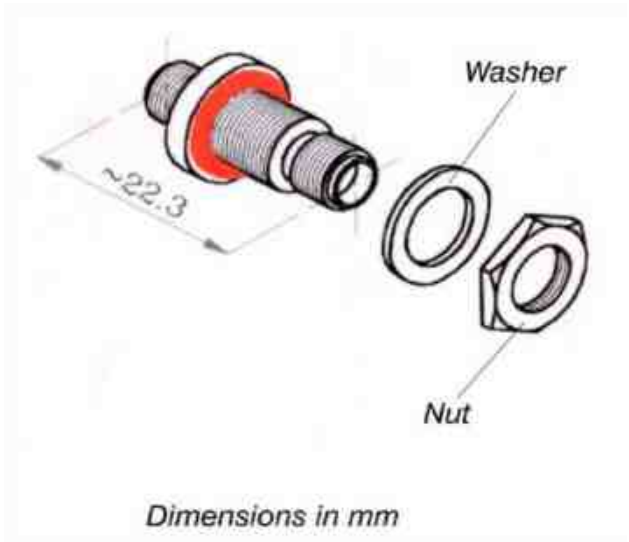


Fig.13 P/N 3313331



P/N 3317331 Fig.14

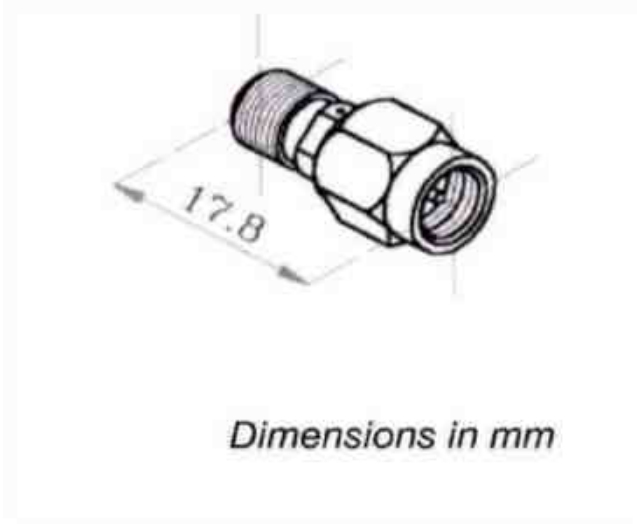
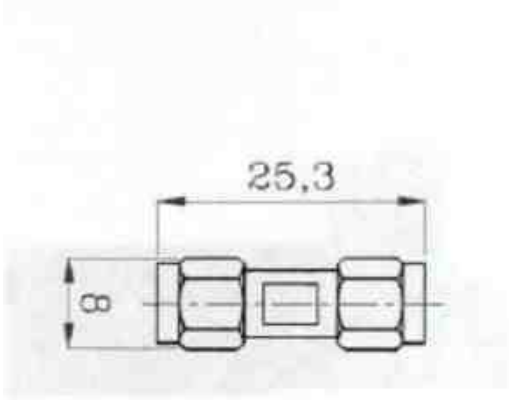


Fig.15 P/N 3323331



P/N 3323332 Fig.16

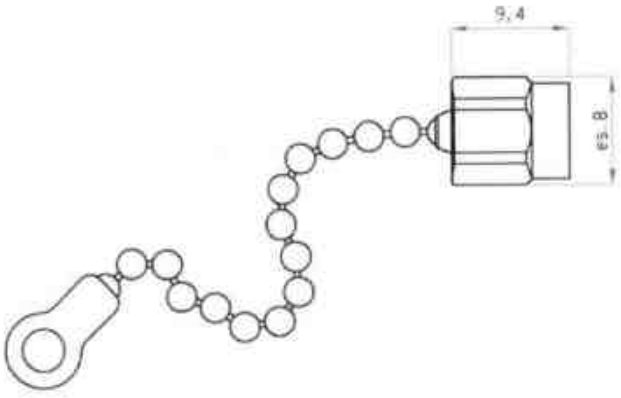
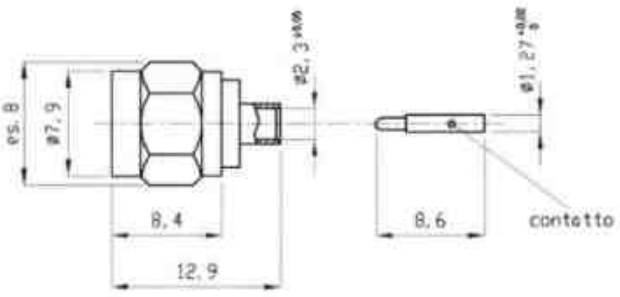


Fig.17 P/N T3320



P/N 332023LV Fig.18

DRAWINGS SMA

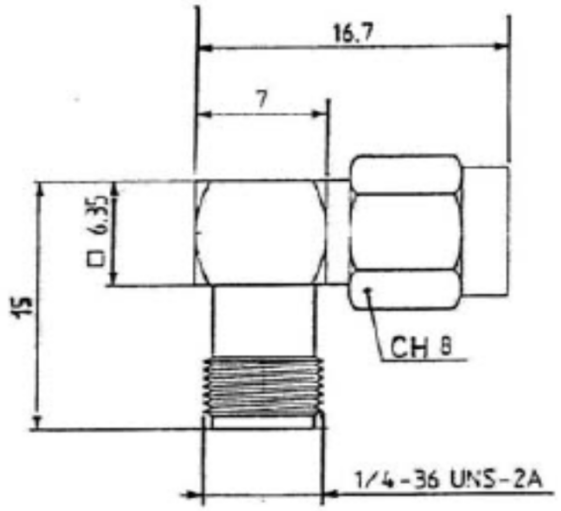
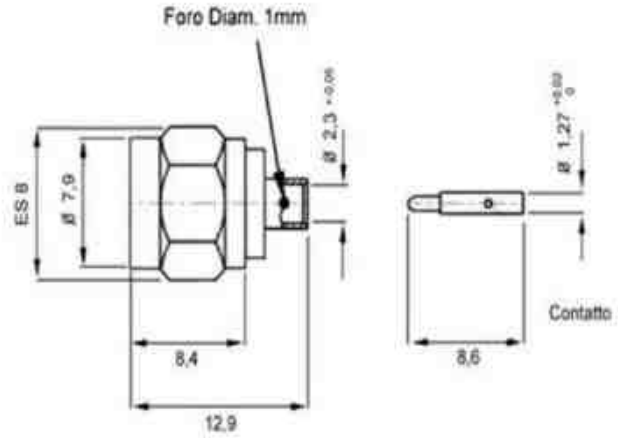


Fig.19 P/N 3324331



P/N 332023LVGX Fig.20

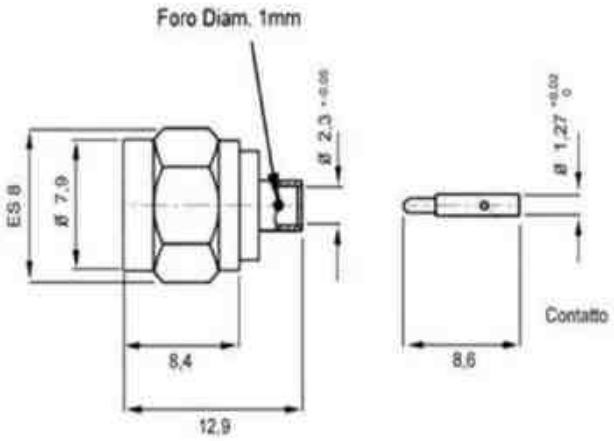
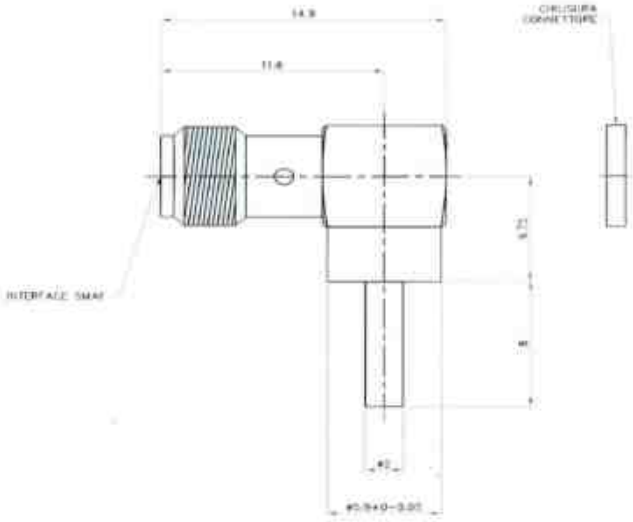


Fig.21 P/N 332023LV-A



P/N MR331400 Fig.22

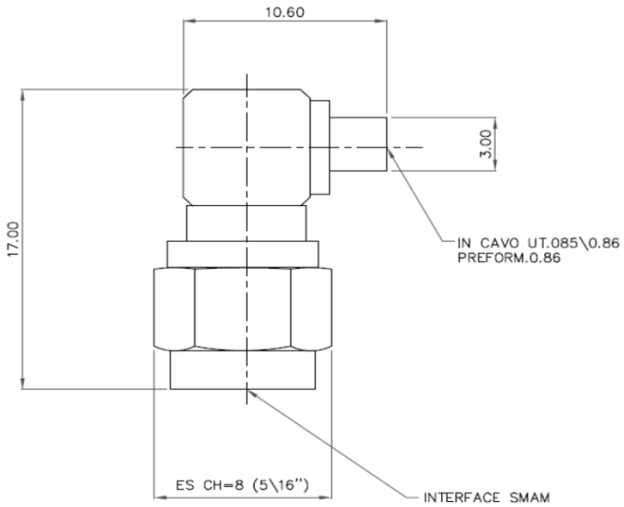
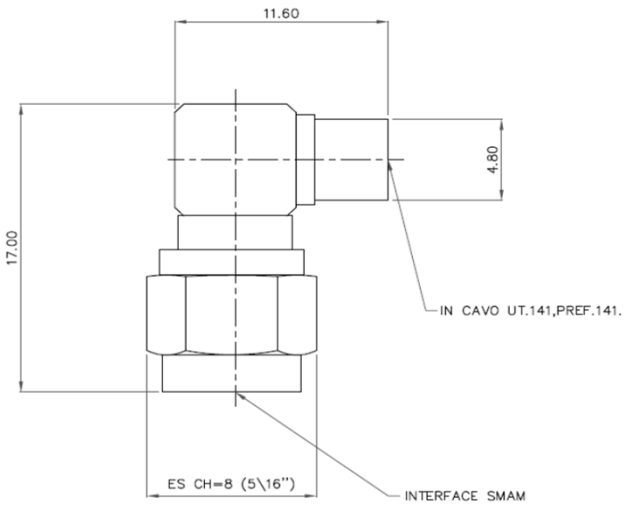


Fig.23 P/N 332423



P/N 332436 Fig.24

DRAWINGS SMA

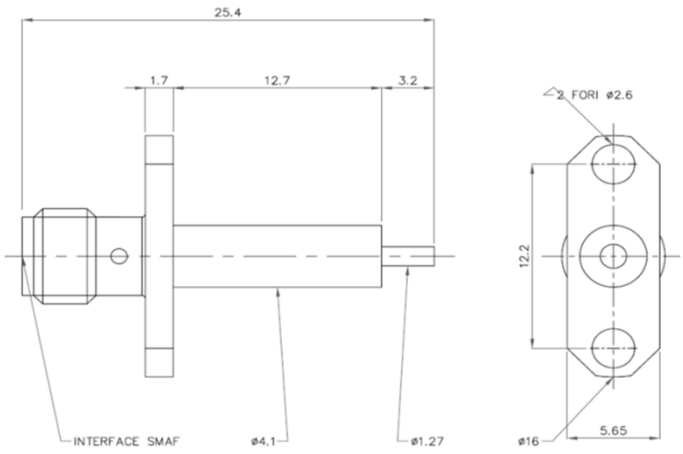
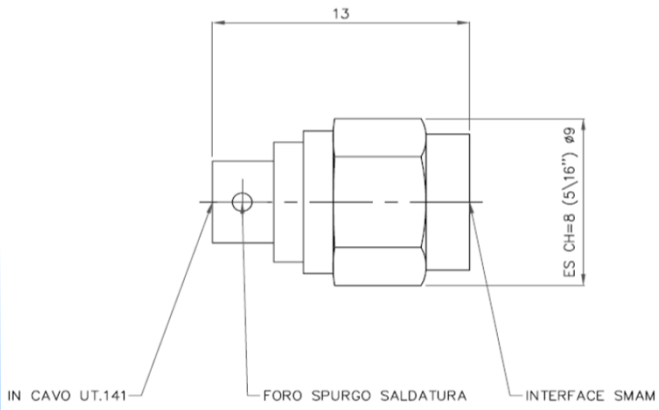


Fig.25 P/N 331500LS



P/N 332036LV Fig.26

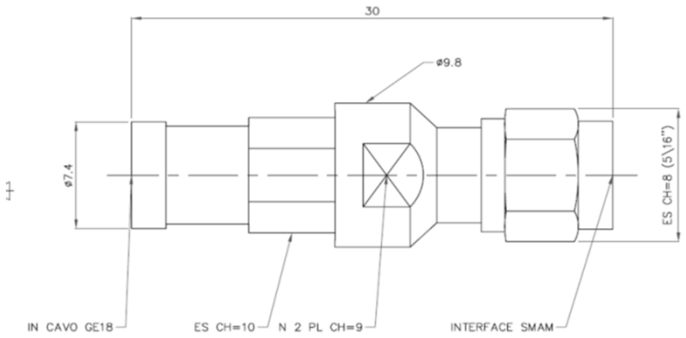


Fig.27 P/N 332090

P/N Fig.28

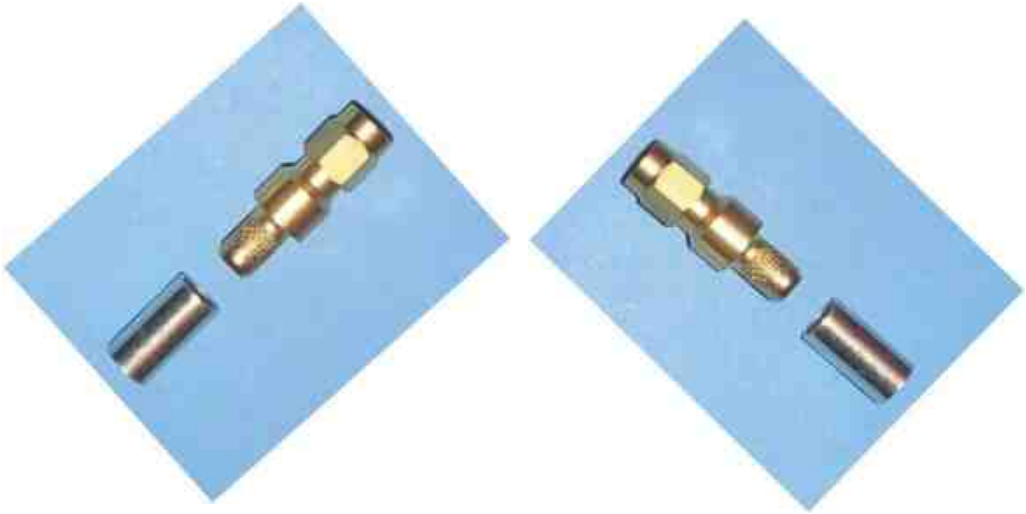
Fig.29 P/N

P/N Fig.30

SMA

REVERSE POLARITY

COAXIAL CONNECTORS 50Ω



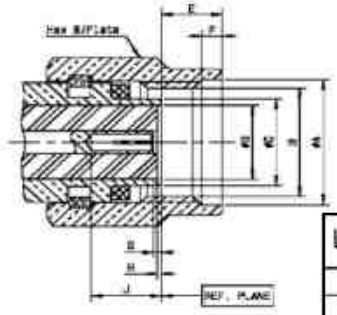
TECHNICAL INFORMATIONS SMA REVERSE POLARITY

		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 * 10^3 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

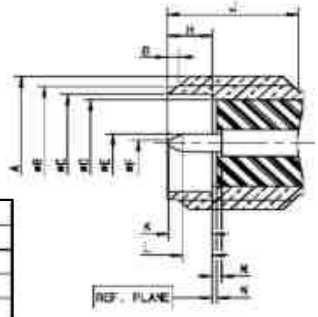
INTERFACE

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

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

SSMA

COAXIAL CONNECTORS 50Ω


IN
GENEX DT7500600012T
MONITOR
OUT

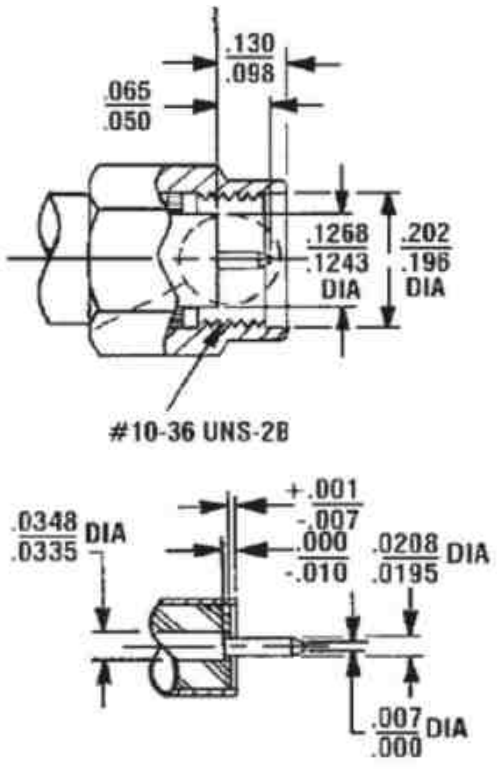
TECHNICAL INFORMATIONS SSMA

		notes
Frequency range	DC ÷ 26 GHz	
Impedance	50 Ω	
VSWR :	1.05 + 0.005 f /GHz MAX	
Insulation	≥ 5 * 10^3 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	

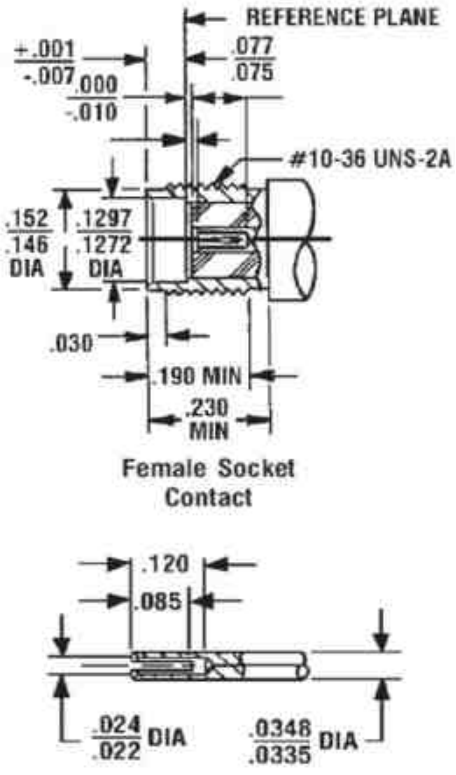
Above, are typical characteristics of SSMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Plug (male)



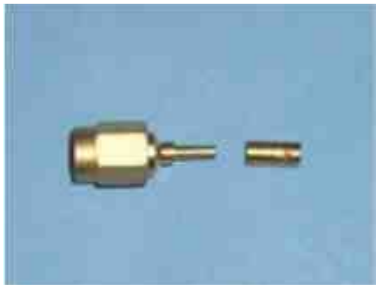
Jack (female)



Female Socket Contact

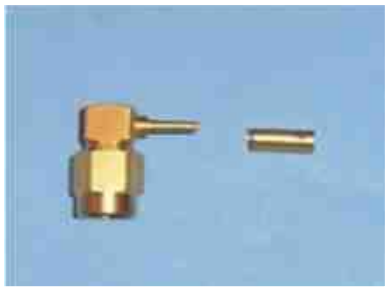
FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) CRIMP



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

RIGHT ANGLE 90° PLUGS (M) CRIMP



P.N. GENEX RF	Description	Notes	Fig.
382417TP	SSMA m for RG 178		

SEMIRIGID CABLE CONNECTORS

RIGHT ANGLE 90° PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
382423	SSMA m for UT.085		

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

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

STRAIGHT PANEL PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

DRAWINGS SSMA

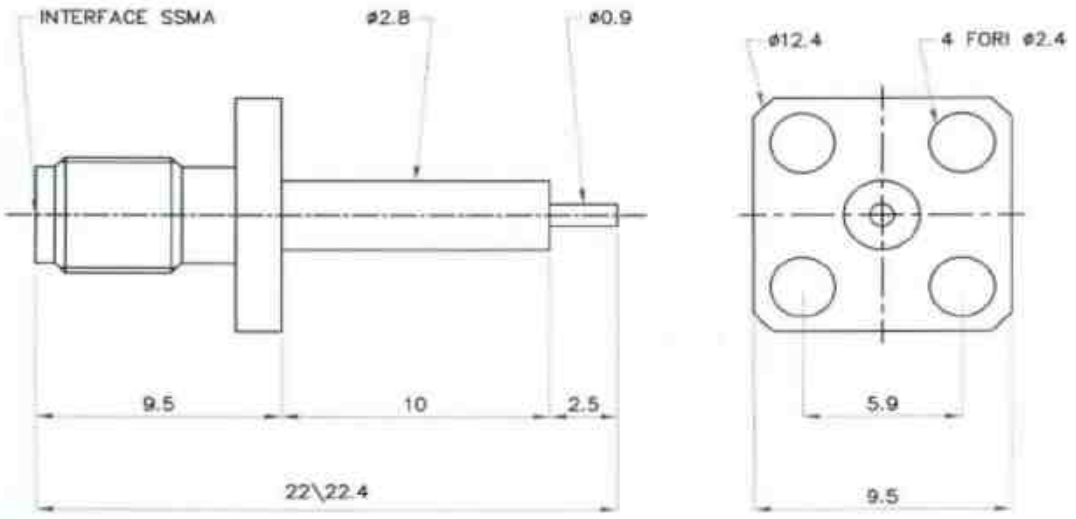


Fig.1

P/N 381595GO

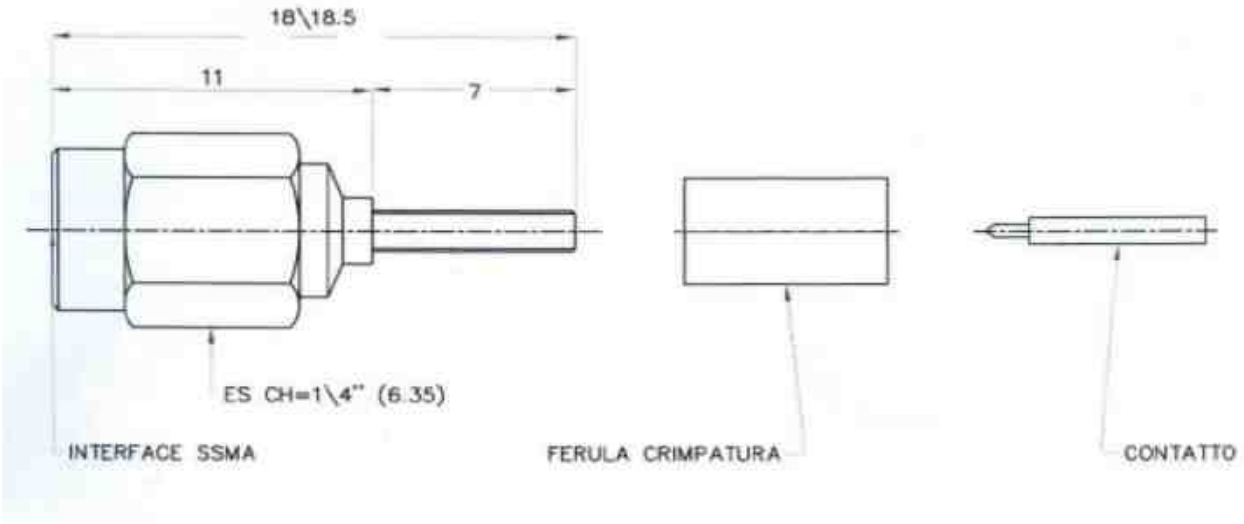


Fig.2

P/N 382017TP

Fig.3

P/N

P/N

Fig.4

PC3.5

COAXIAL CONNECTORS 50Ω

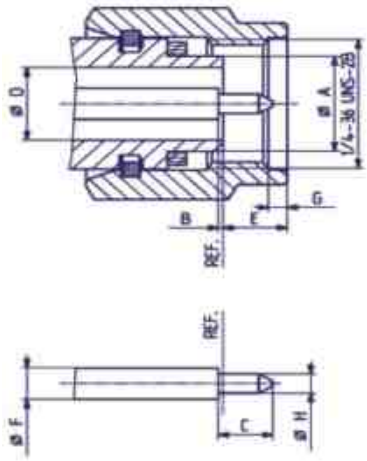
TECHNICAL INFORMATIONS PC 3.5

		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 * 10^3 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

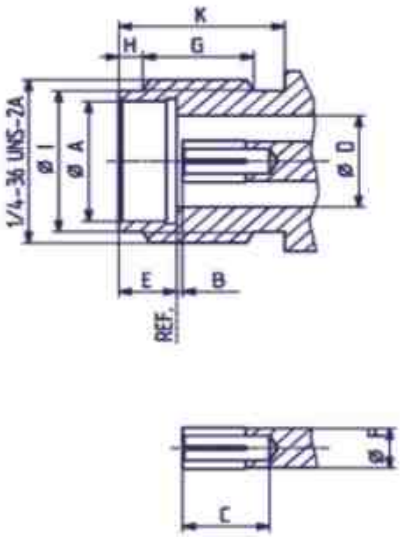
INTERFACE

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)

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

STRAIGHT JACKS (F)

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

ADAPTERS PC3.5 - PC3.5

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

For others combinations, see section " COAXIAL ADAPTERS"

DRAWINGS PC3.5

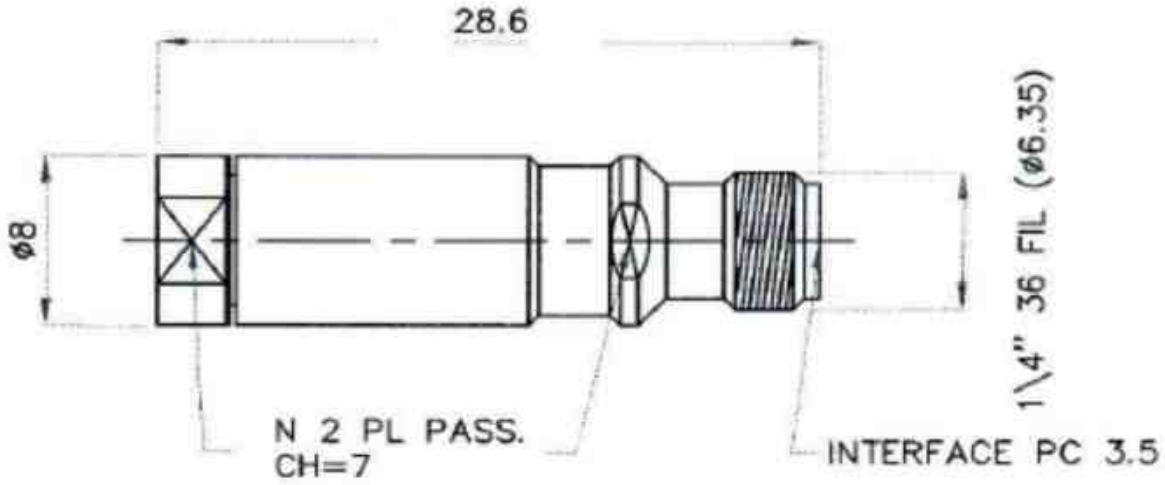


Fig.1 **P/N 951023**

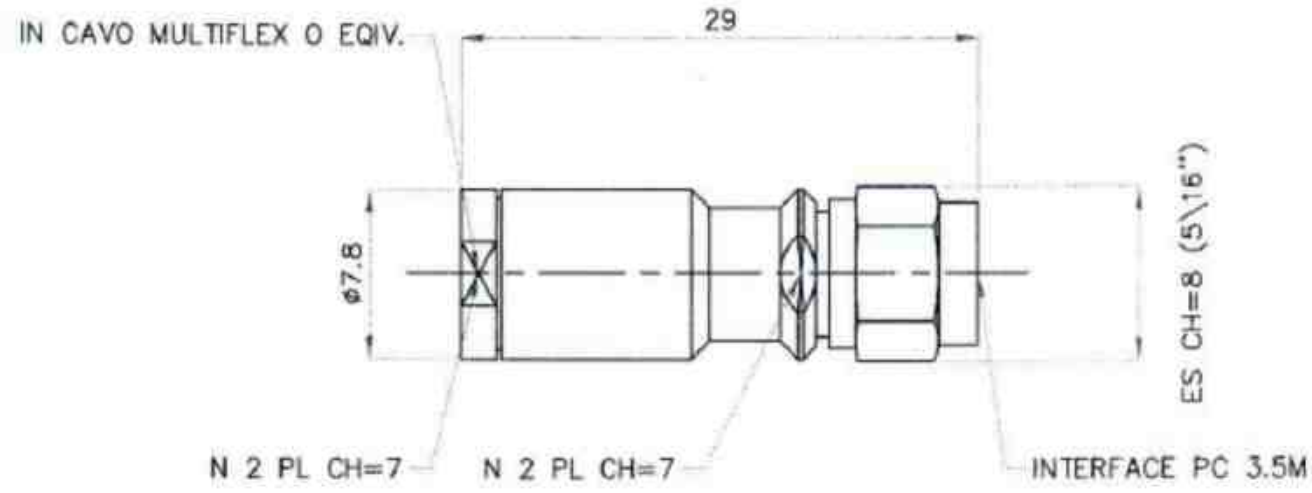


Fig.2 **P/N 952023**

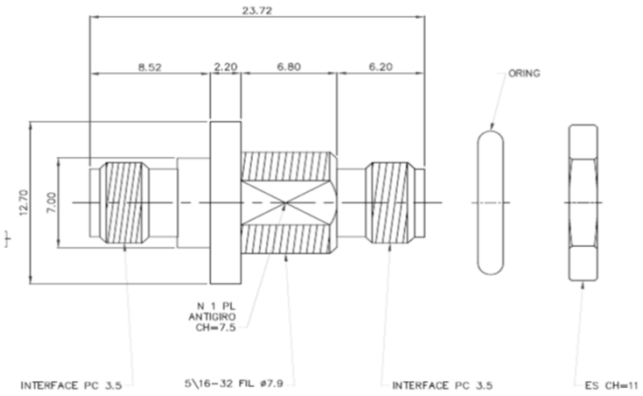


Fig.3 **P/N 9517951**

P/N **Fig.4**

SIS

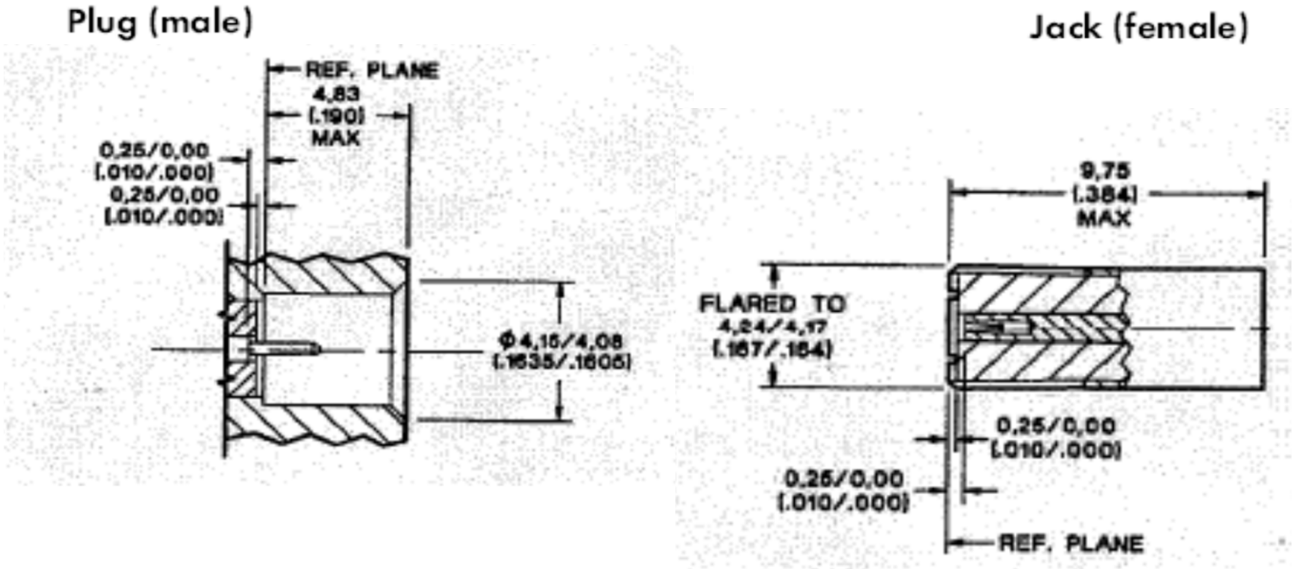
COAXIAL CONNECTORS 50Ω

TECHNICAL INFORMATIONS SIS

		notes
Frequency range	DC ÷ 18 GHz	
Impedance	50 Ω	
VSWR :	1.05+.008 f (GHz) Max	
Insulation	≥ 1 * 10^3 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



FLEXIBLE CABLE CONNECTORS

RIGHT ANGLE 90° PLUGS (M) CRIMP

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

STRAIGHT PANEL PLUGS (M) CRIMP

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

STRAIGHT PANEL JACKS (F) CRIMP

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

ADAPTERS SIS - SMA

P.N. GENEX RF	Description	Notes	Fig.
5713331	SIS f - SMA f		2

DRAWINGS SIS

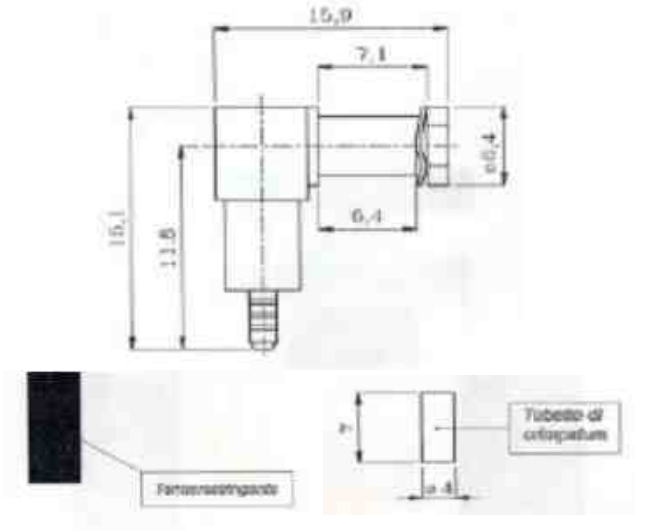
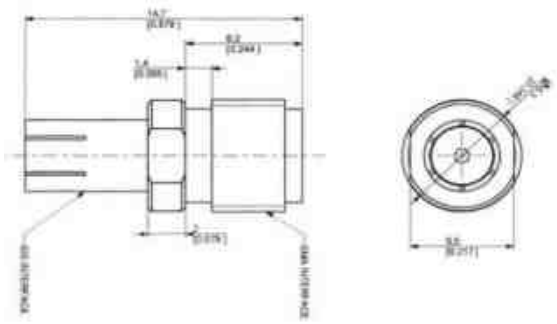


Fig.1 P/N 572435TP



P/N 5713331 Fig.2

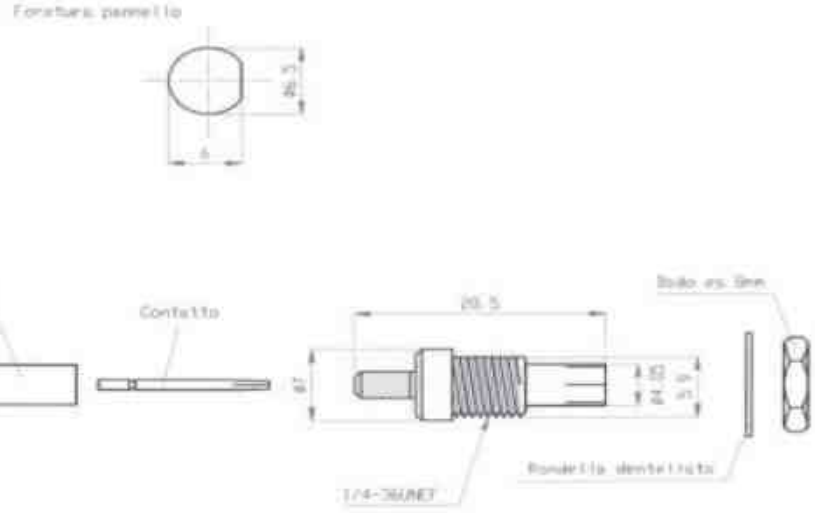


Fig.3 P/N 571835TP

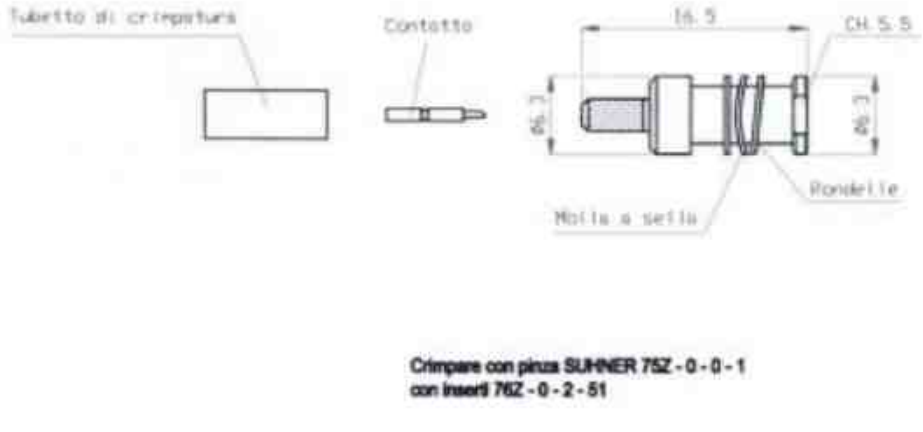


Fig.4 P/N 572835TP

SMS

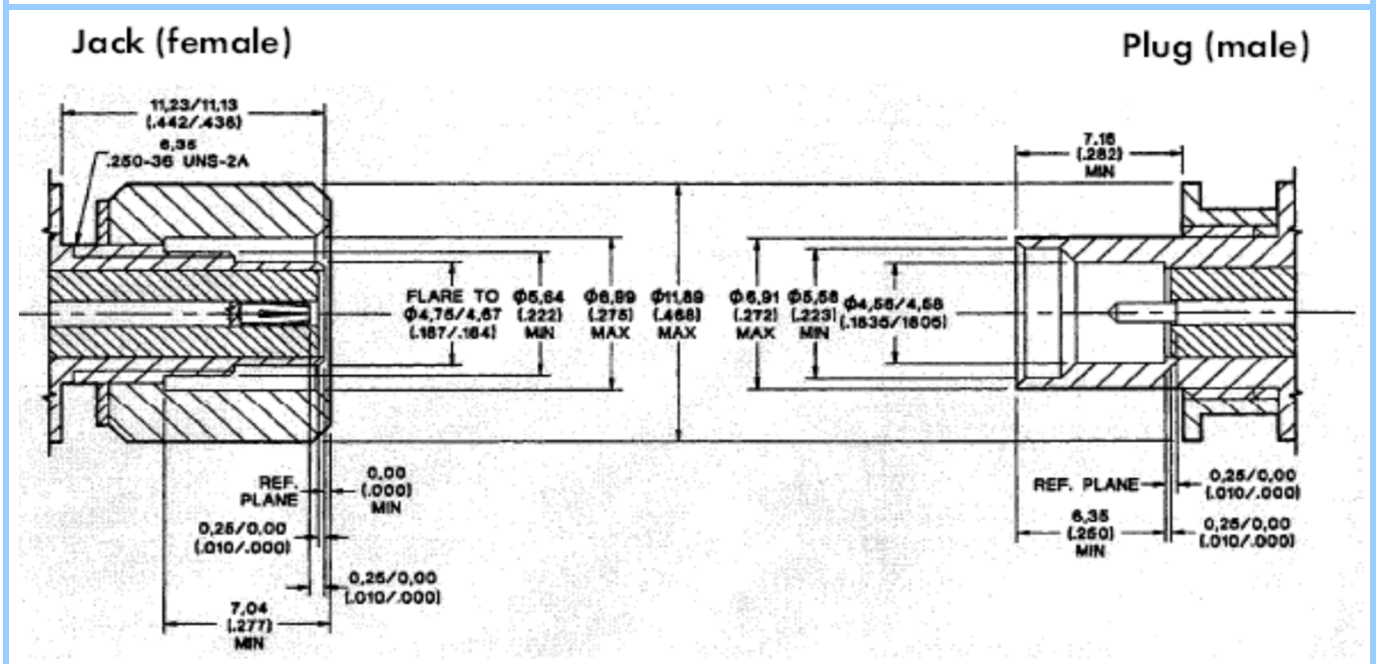
COAXIAL CONNECTORS 50Ω

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 * 10^3 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



FLEXIBLE CABLE CONNECTORS

RIGHT ANGLE 90° PLUGS (M) CRIMP

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

SEMIRIGID CABLE CONNECTORS 50 Ω

RIGHT ANGLE 90° PLUGS (M)

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

PCB CONNECTORS

STRAIGHT PANEL JACKS (F)

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

ADAPTERS SMS - SMA

P.N. GENEX RF	Description	Notes	Fig.
5413331	SMS f - SMA f		

DRAWINGS SMS

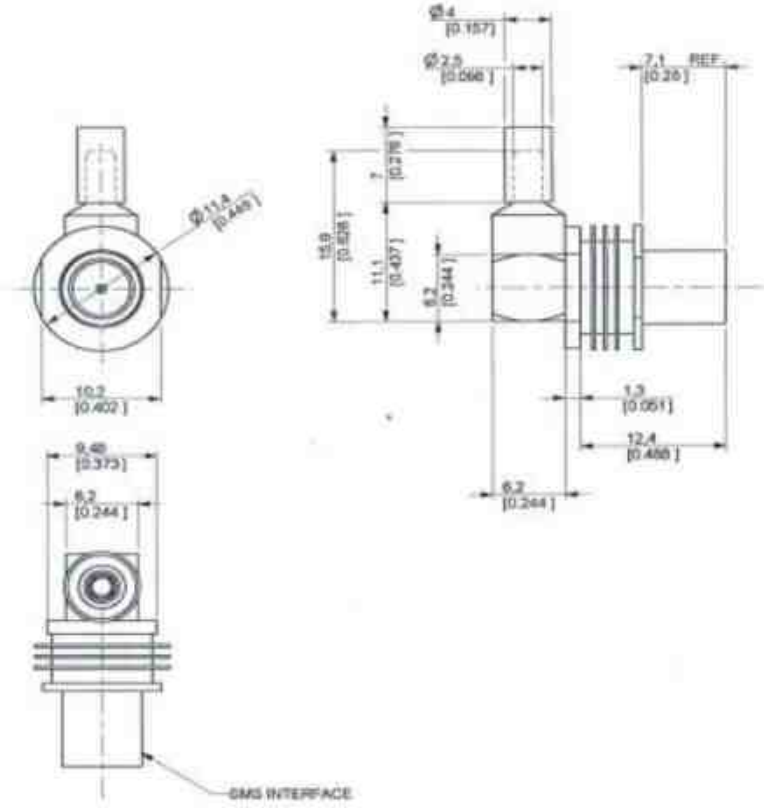


Fig.1 **P/N 542435TP**

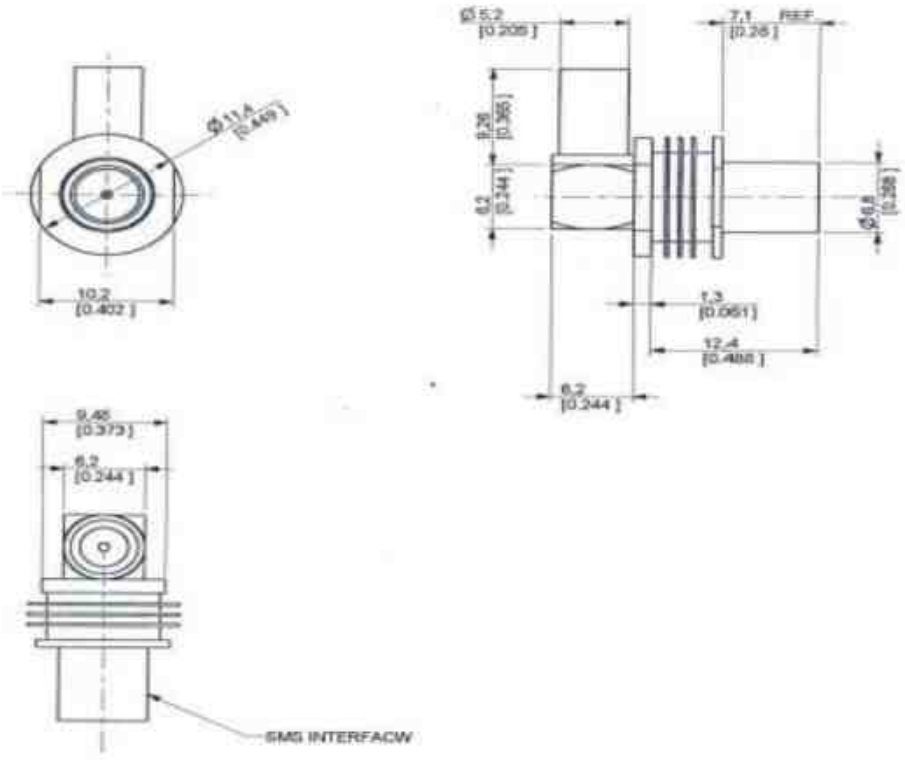


Fig.2 **P/N 542436**

DISEGNI SERIE SMS

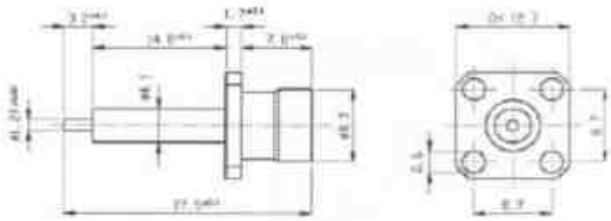


Fig.3

P/N 541513CS

Fig.4

Fig.5

Fig.6

Fig.7

P/N

Fig.8

SMP

COAXIAL CONNECTORS 50Ω

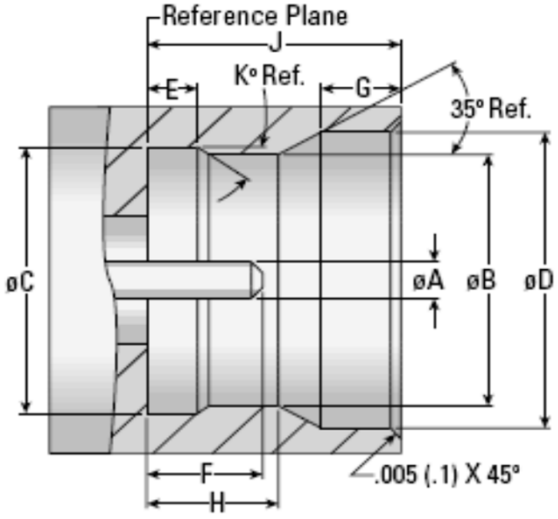
TECHNICAL INFORMATIONS SMP

		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 * 10^3 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

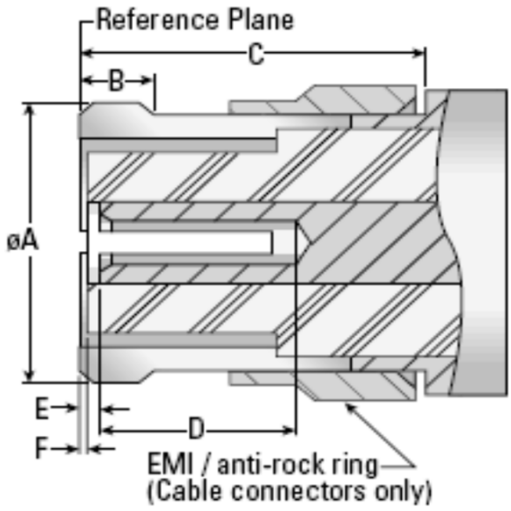
INTERFACE

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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

PCB PLUGS (M)

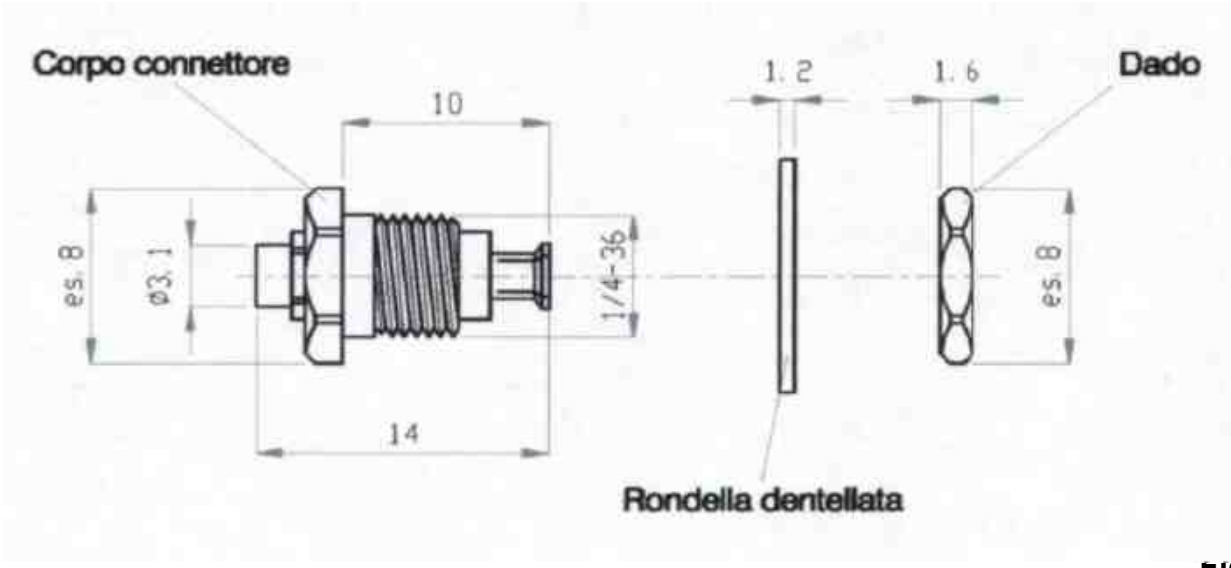
P.N. GENEX RF	Description	Notes	Fig.
MR882000CS	SMP m pcb (LIMITED DETENT)		3

ADAPTERS / BULLET SMP - SMP

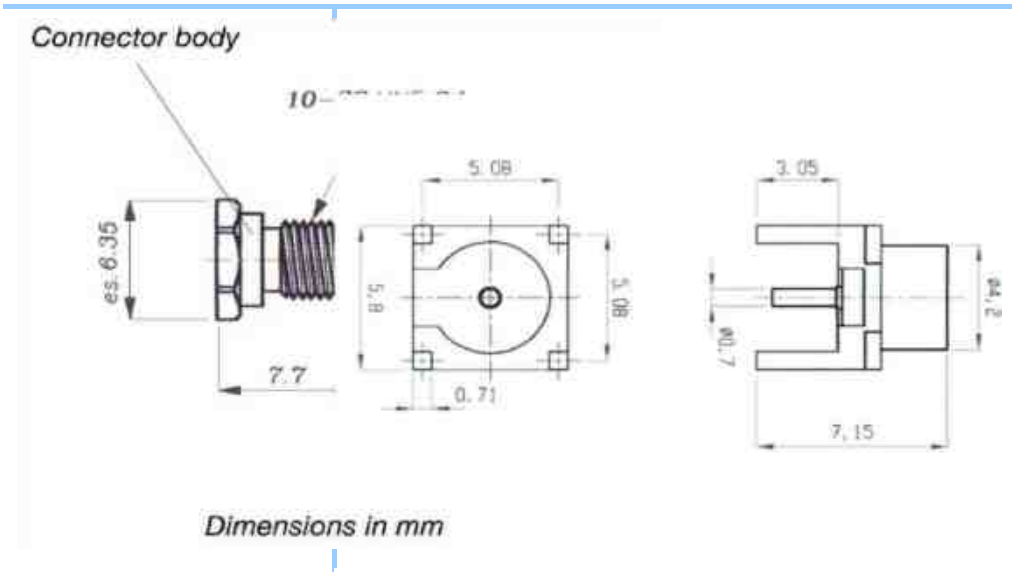
P.N. GENEX RF	Description	Notes	Fig.
MR8813881A	SMP f - SMP f (LIMITED DETENT)	L = 24,1 mm	
MR8813881C	SMP f - SMP f (LIMITED DETENT)	L = 18,7 mm	
MR8813881E	SMP f - SMP f (LIMITED DETENT)	L = 21,3 mm	4
MR8813881F	SMP f - SMP f (LIMITED DETENT)	L = 23,0 mm	5
MR8813881G	SMP f - SMP f (LIMITED DETENT)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

For others combinations, see section " COAXIAL ADAPTERS"

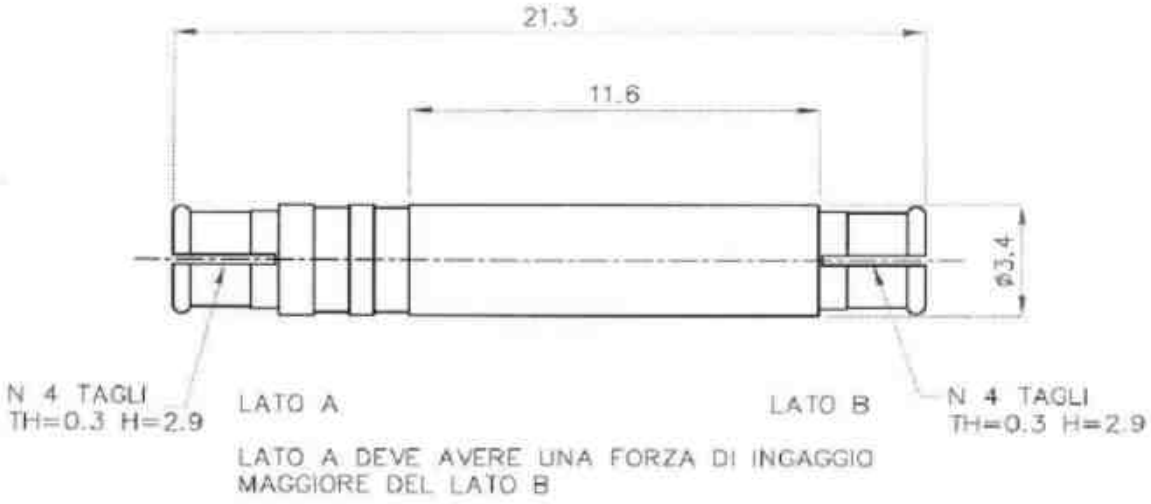
DRAWINGS SMP



F P/N KS221023 Fig.2

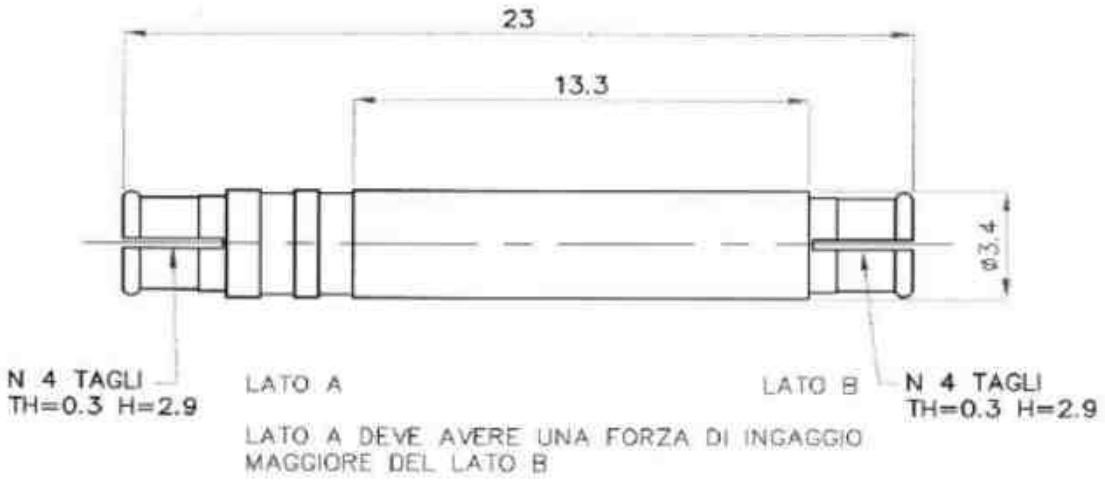


F P/N P/ Fig.3 Fig.4

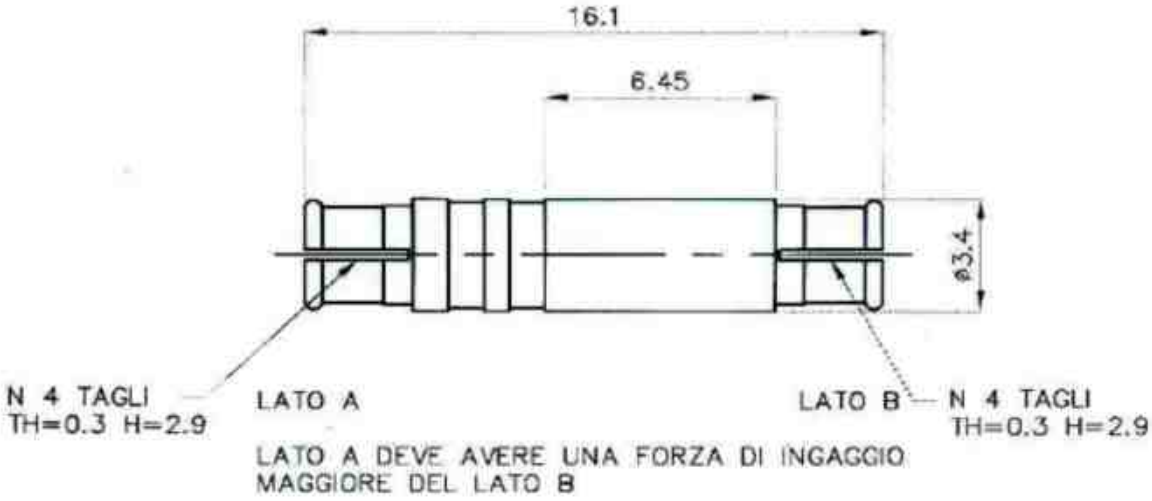


F P/N MR8813881E Fig.6

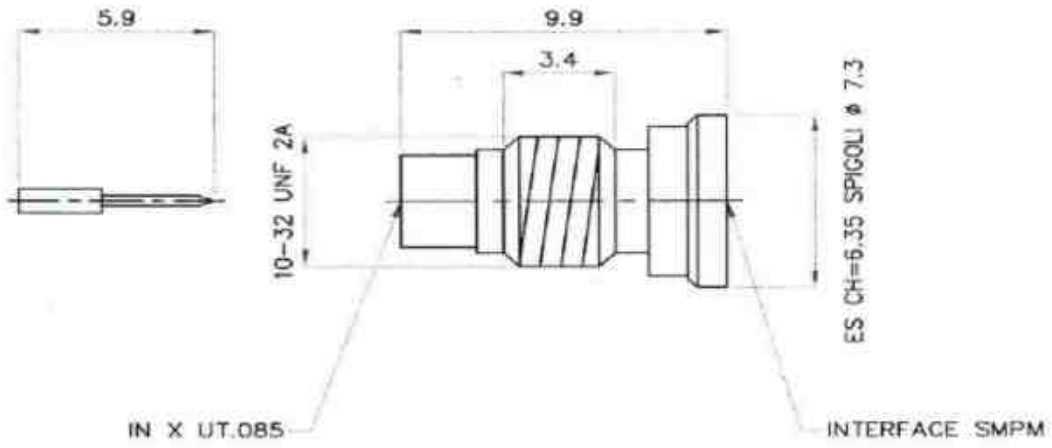
DRAWINGS SMP



F **P/N MR8813881F** **Fig.8**



F **P/N MR8813881G** **Fig.10**



F **P/N KS222023** **Fig.12**

SMC

COAXIAL CONNECTORS 50Ω

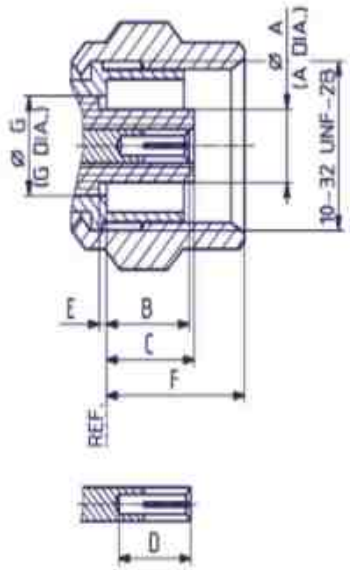
TECHNICAL INFORMATIONS SMC

		notes
Frequency range	DC ÷ 10 GHz	
Impedance	50 Ω	
VSWR :	1.6 MAX	
Insulation	≥1* 10^4 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

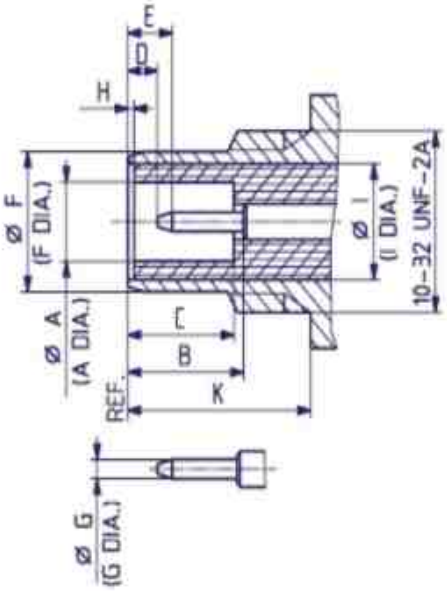
INTERFACE

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

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

STRAIGHT MALE BODY-FEMALE CONTACT CRIMP

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT FEMALE BODY-MALE CONTACT CRIMP

P.N. GENEX RF	Description	Notes	Fig.
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

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL FEMALE BODY-MALE CONTACT

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

RIGHT ANGLE 90°FEMALE BODY-MALE CONTACT

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

ADAPTERS SMC - SMC

P.N. GENEX RF	Description	Notes	Fig.
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

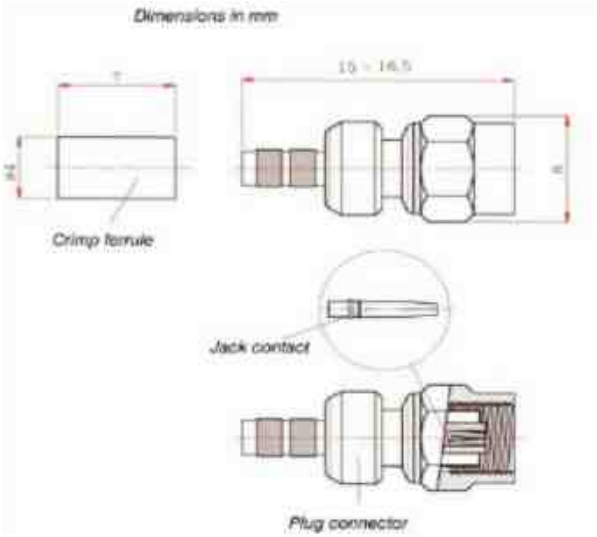
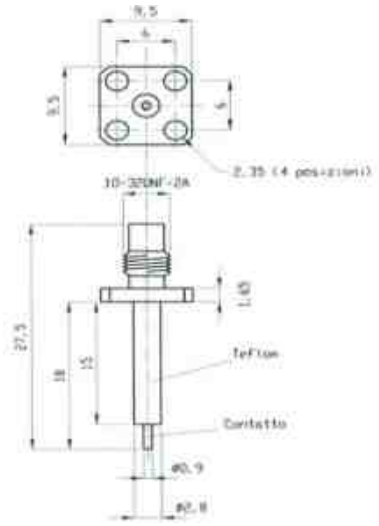


Fig.1 P/N 351035TP



P/N 352015GO Fig.2

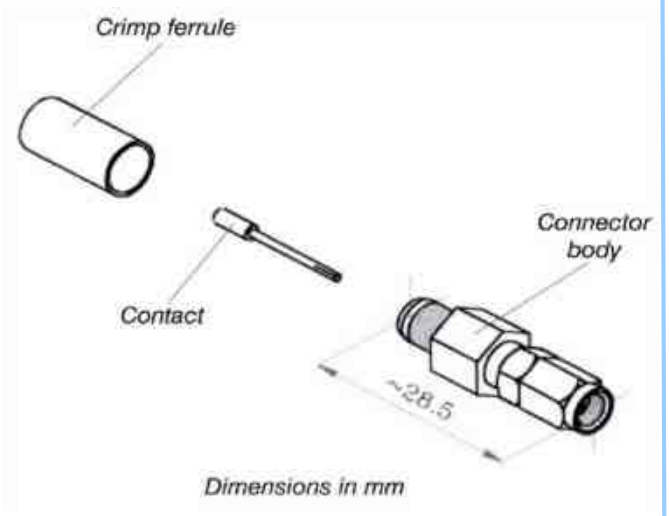
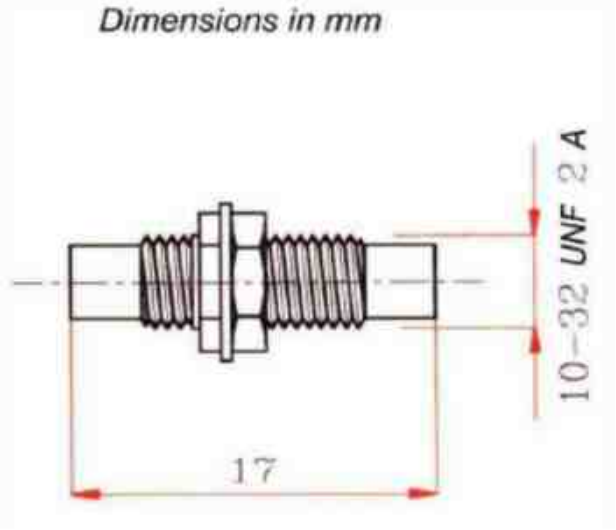


Fig.3 P/N 351087TP



P/N 3527352 Fig.4

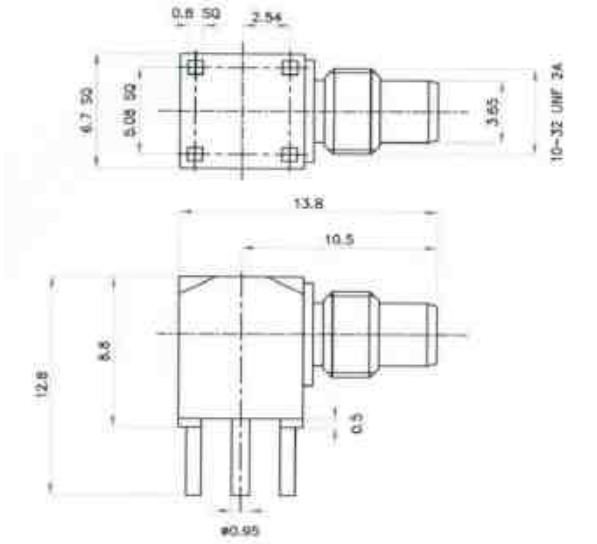
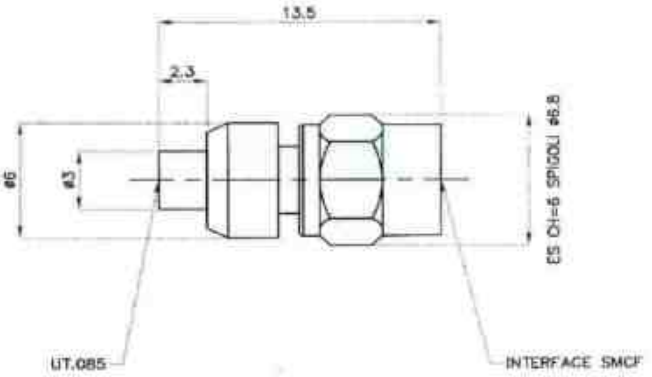


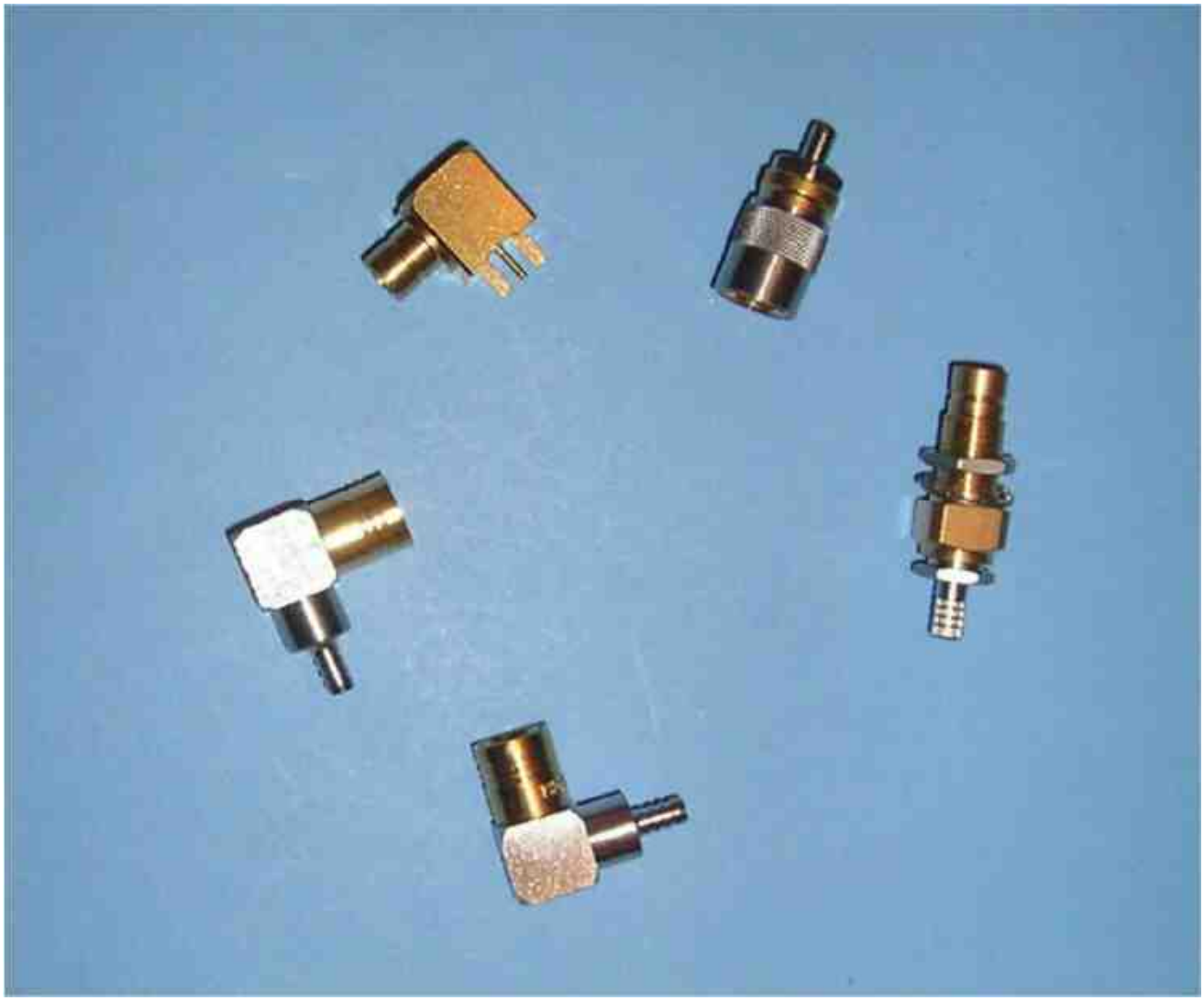
Fig.5 P/N 352400CS



P/N 351023 Fig.6

SMZ

COAXIAL CONNECTORS 75 Ω



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

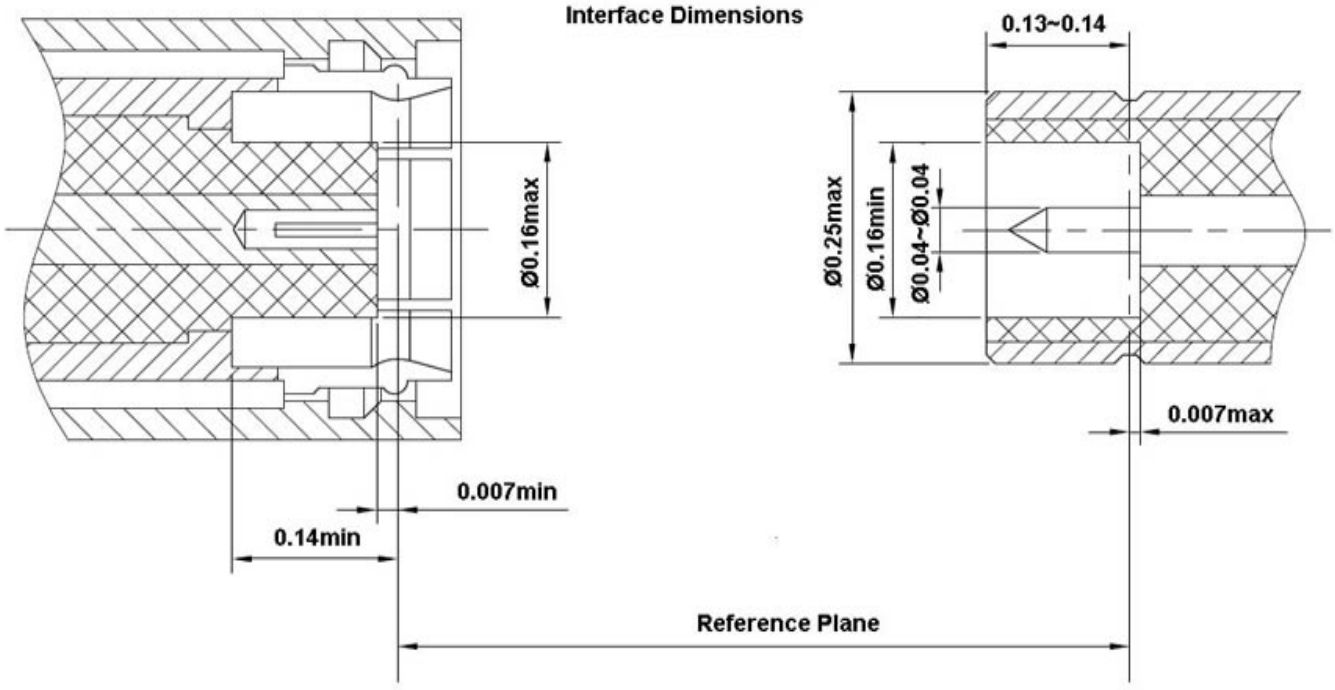
		notes
Frequency range	DC ÷ 2 GHz	
Impedance	75 Ω	
VSWR :		See CECC122300
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤1.0 mΩ	
Dielectric	1,0kV rms 50Hz	
Temperature range	-65°C ÷ +115°C	
Thermal shock	GJB681A MIL-C-39012	
Corrosion	MIL-STD-202,method 101,condition B	
Vibration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

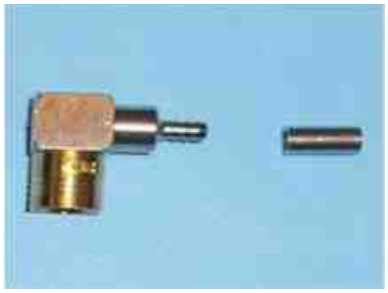
STRAIGHT MALE BODY-FEMALE CONTACT CRIMP

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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		

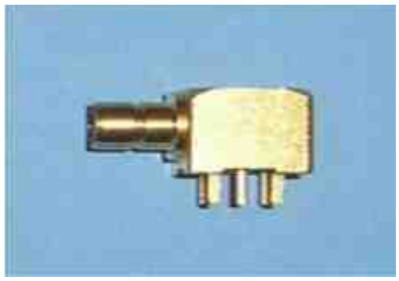
RIGHT ANGLE 90° MALE BODY-FEMALE CONTACT CRIMP



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

PCB CONNECTORS

RIGHT ANGLE 90° FEMALE BODY-MALE CONTACT



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

ADAPTERS SMZ - SMZ

P.N. GENEX RF	Description	Notes	Fig.
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

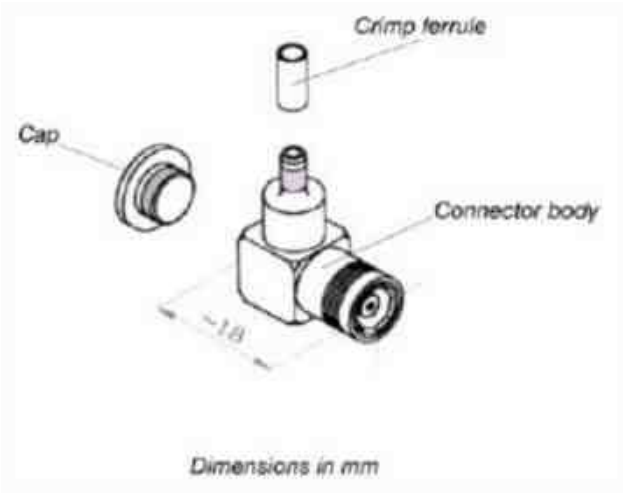
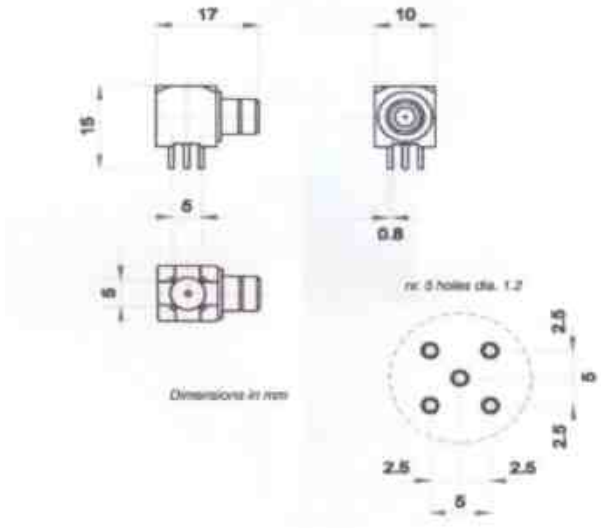


Fig.1 P/N 972449TP



P/N 9724CS Fig.2

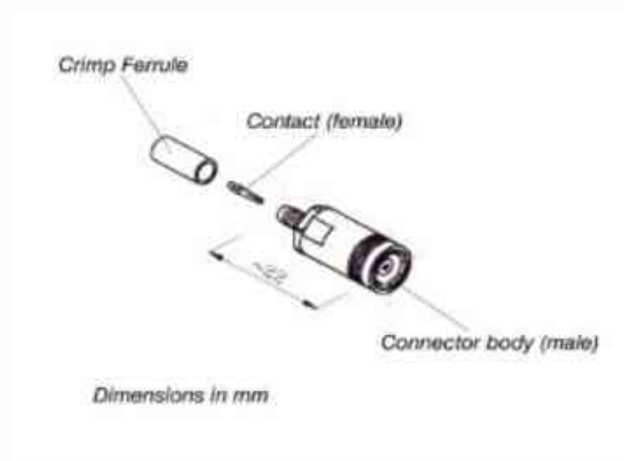


Fig.3 P/N 971049TP

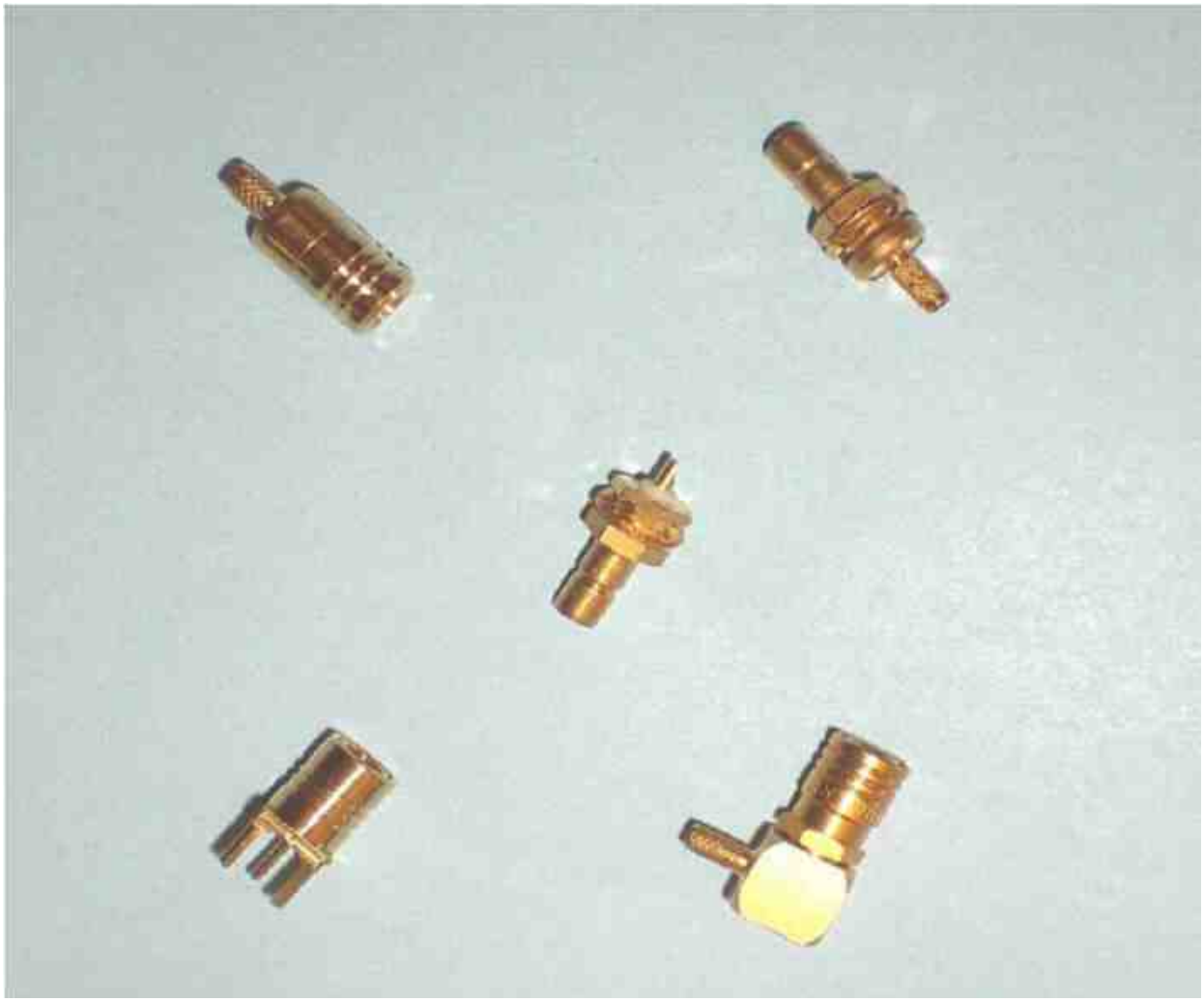
P/N Fig.4

Fig.5 P/N

P/N Fig.6

SMB

COAXIAL CONNECTORS 50Ω



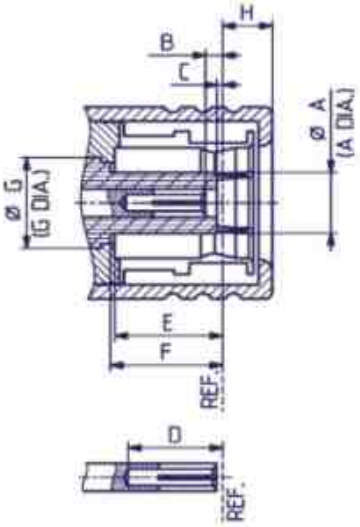
TECHNICAL INFORMATIONS SMB

		notes
Frequency range	DC ÷ 4 GHz	
Impedance	50 Ω	
VSWR :	1.5 MAX	
Insulation	≥ 1 * 10^4 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

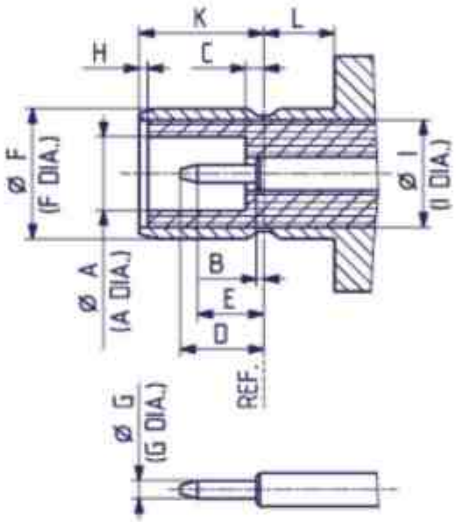
INTERFACE

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/.000	-
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

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

STRAIGHT MALE BODY-FEMALE CONTACT CRIMP

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT FEMALE BODY - MALE CONTACT SOLDERED

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

STRAIGHT FEMALE BODY - MALE CONTACT CRIMP

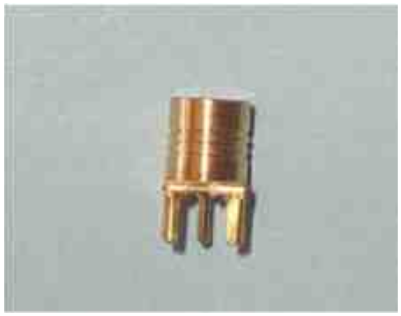
P.N. GENEX RF	Description	Notes	Fig.
362017TP	SMB male contact for RG 178-196		
362035TP	SMB male contact for RG 174-188-316		

STRAIGHT PANEL FEMALE BODY - MALE CONTACT CRIMP

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

RECEPTACLES WITH SOLDER END

STRAIGHT PCB MALE BODY-FEMALE CONTACT



P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
362700	SMB male contact panel mount	bulkhead	

STRAIGHT PCB FEMALE BODY-MALE CONTACT

P.N. GENEX RF	Description	Notes	Fig.
3620CS	SMB male contact for pcb		

RIGHT ANGLE 90° PCB FEMALE BODY-MALE CONTACT

P.N. GENEX RF	Description	Notes	Fig.
362400CS	SMB male contact for pcb		

ADAPTERS SMB - SMB

P.N. GENEX RF	Description	Notes	Fig.
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

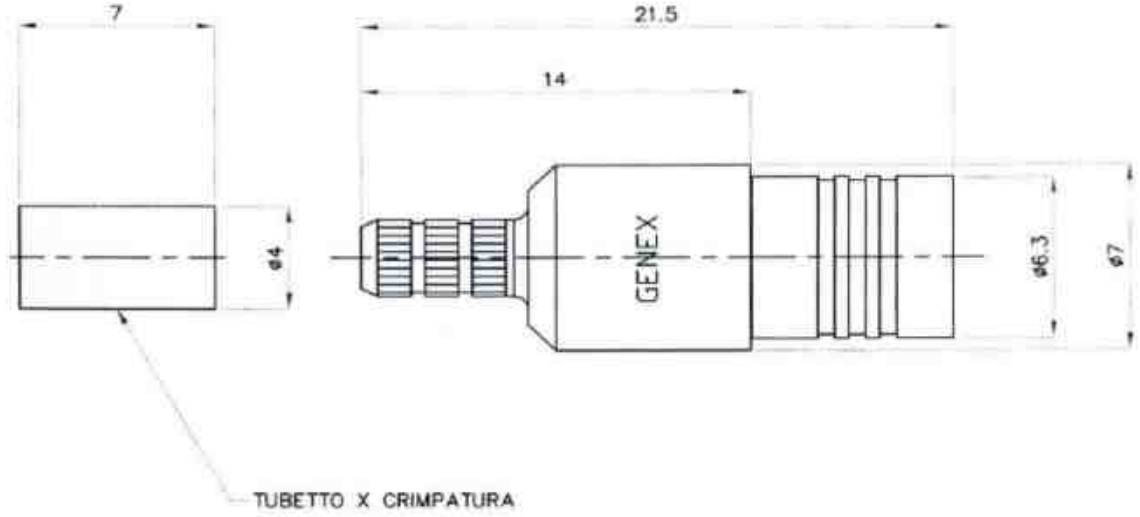


Fig.1 **P/N 361049TP**

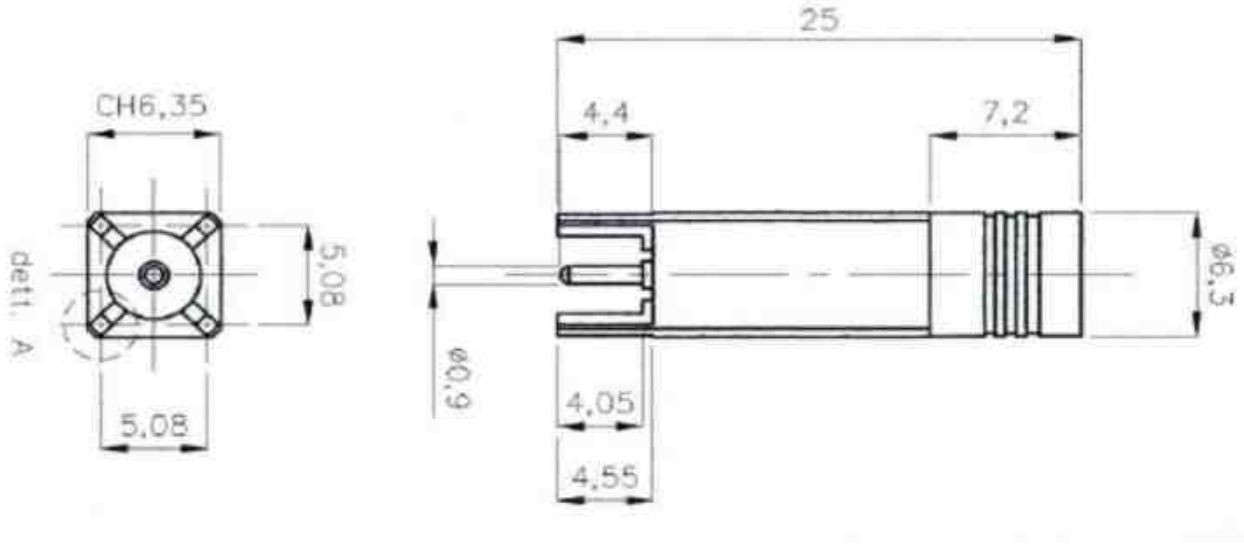


Fig.2 **P/N MR3610CSSL/A**

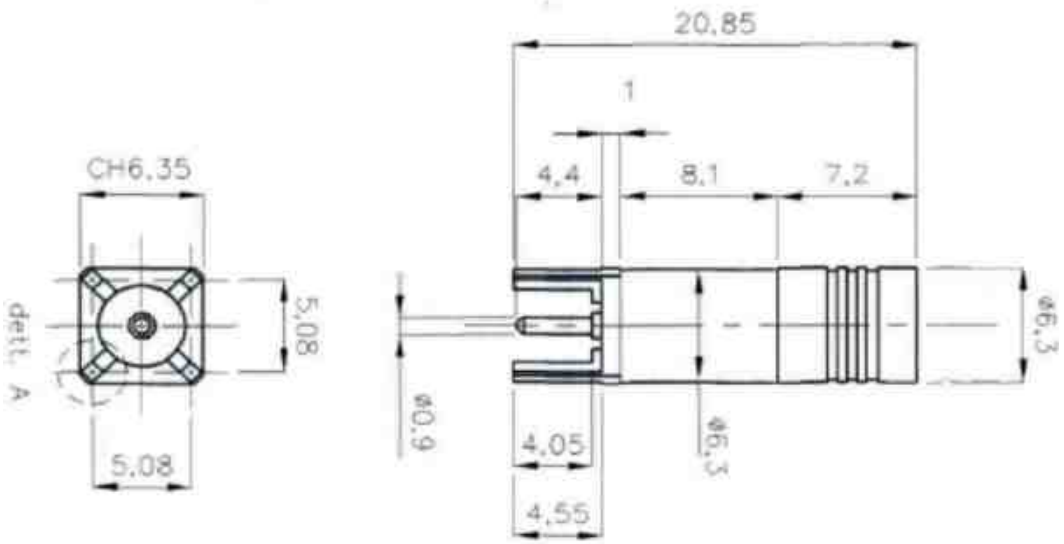
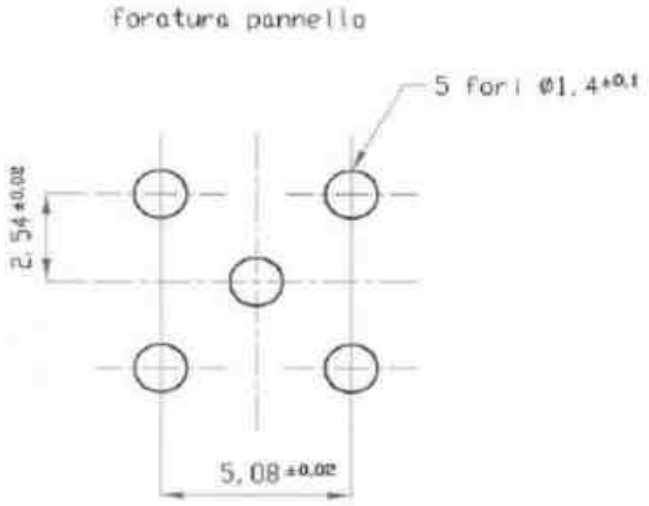


Fig.3 **P/N MR3610CSSL/C**

DRAWINGS SMB



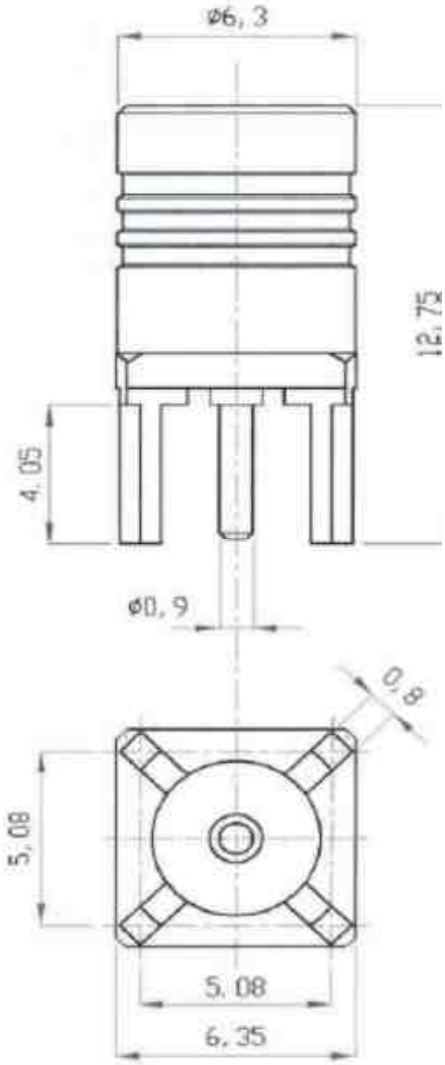


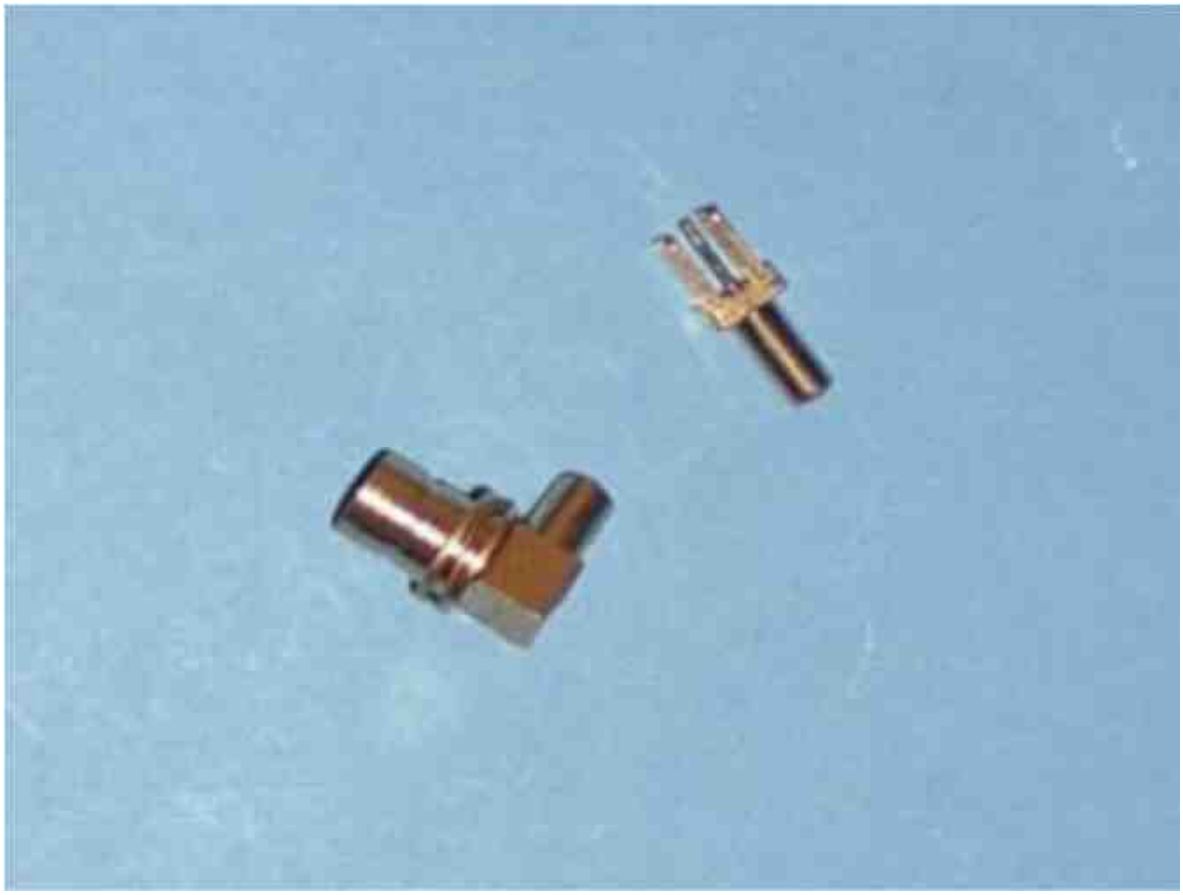
Fig.4 **P/N MR361000CS**

Fig.5 **P/N**

P/N **Fig.6**

SSLB

COAXIAL CONNECTORS 50Ω



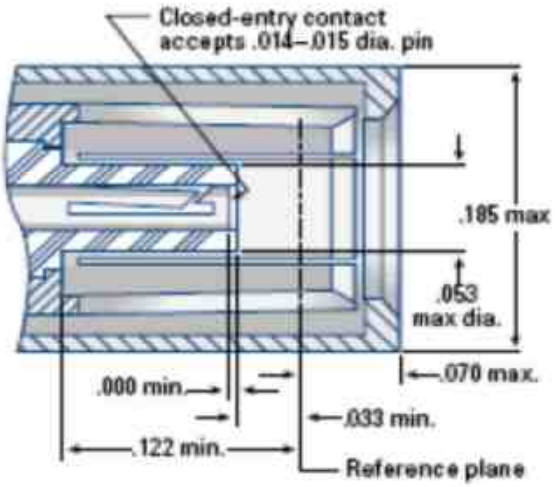
TECHNICAL INFORMATIONS SSLB

		notes
Frequency range	DC ÷ 12 GHz	
VSWR :	1.25 + 0.025 f (GHz)	
Impedance	50 Ω	
Insulation	≥ 5 * 10^3 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	

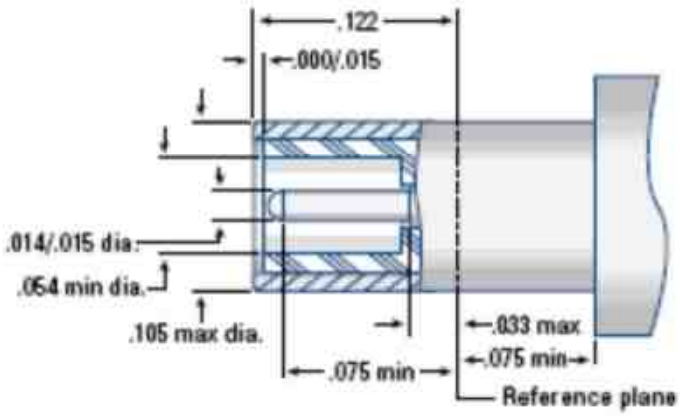
Above, are typical characteristics of SSLB connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Male body - Female contact



Female body - Male contact



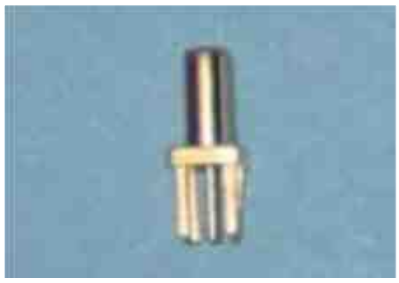
SEMIRIGID CABLE CONNECTORS

RIGHT ANGLE 90° MALE BODY - FEMALE CONTACT

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

PCB CONNECTORS

STRAIGHT PCB FEMALE BODY - MALE CONTACT



P.N. GENEX RF	Description	Notes	Fig.
SSLB20CS	SSLB male contact for pcb		1

DRAWINGS SSLB

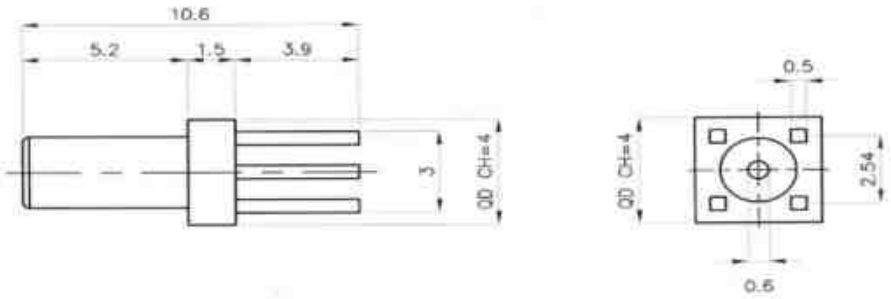


Fig.1

P/N SSLB20CS

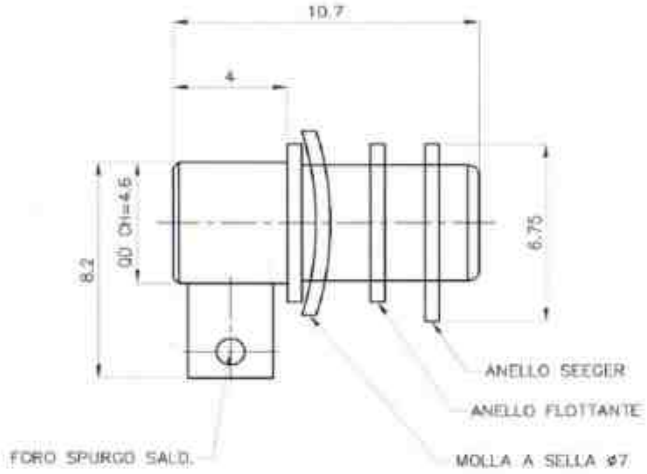


Fig.2

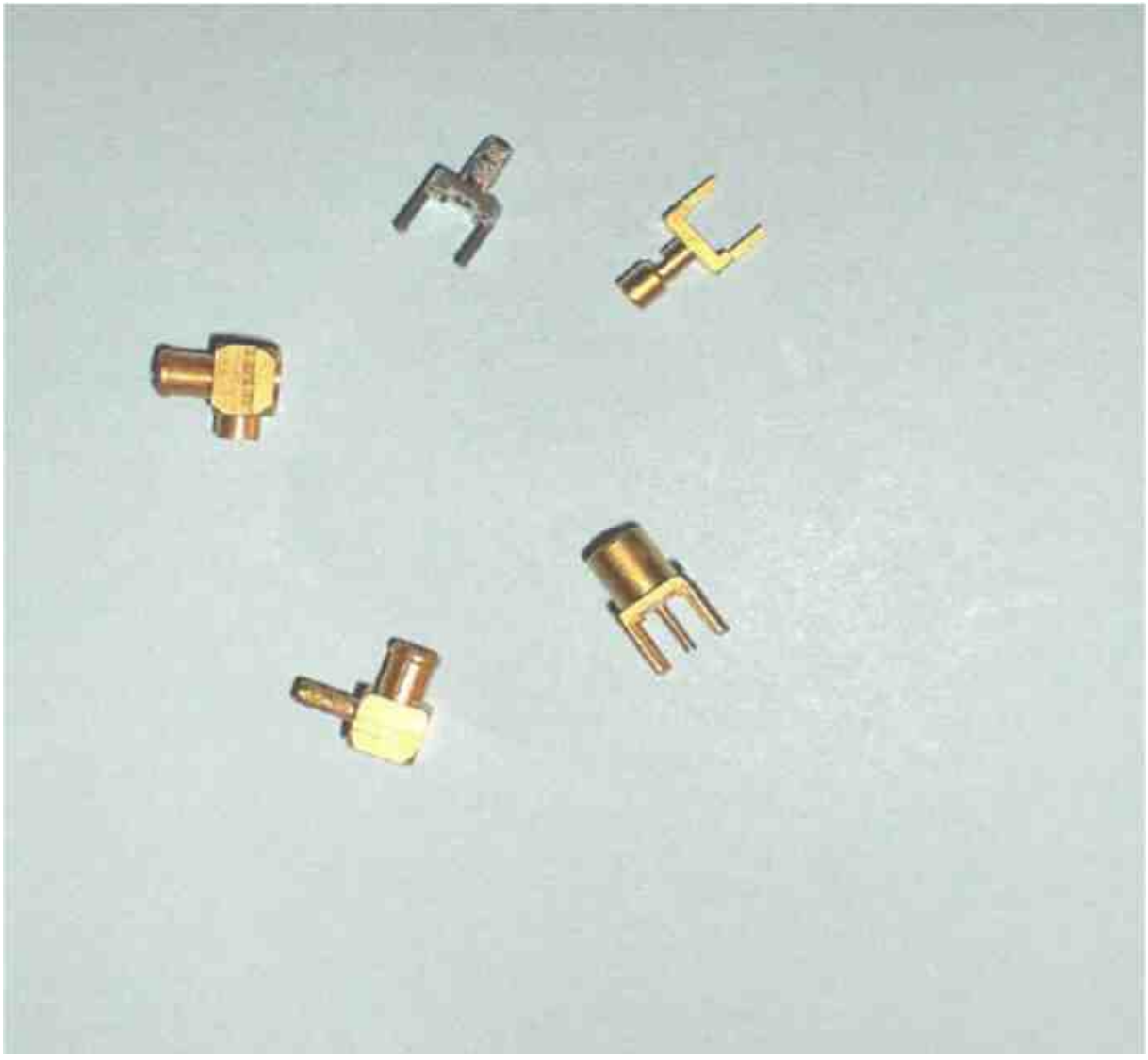
P/N SSLB1423

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.

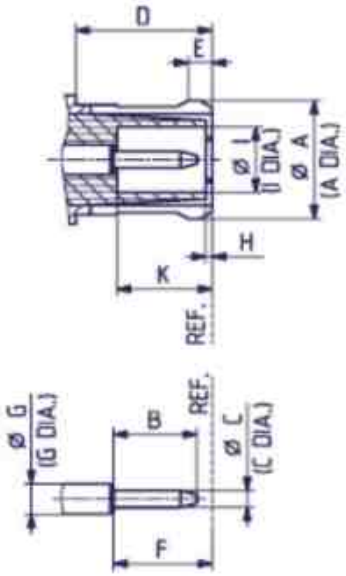
TECHNICAL INFORMATIONS MCX 50 Ω

		notes
Frequency range	DC ÷ 6 GHz	
Impedance	50 Ω	
Insulation	≥ 1 * 10^4 MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤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

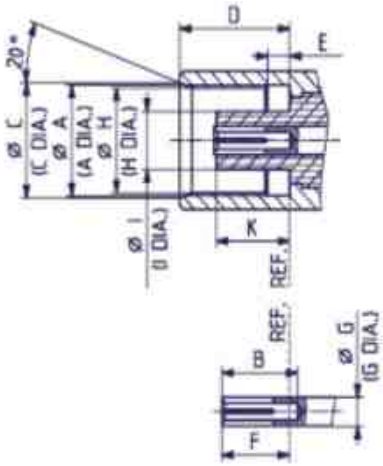
INTERFACE

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)



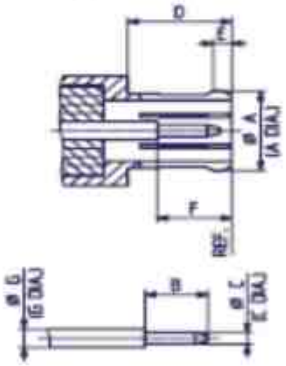
TECHNICAL INFORMATIONS MCX 75 Ω

		notes
Frequency range	DC ÷ 6 GHz	
Impedance	75 Ω	
Insulation	≥ 1 * 10^3 MΩ	
Contact resistance	centre ≤5.0 mΩ	
	outer ≤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	

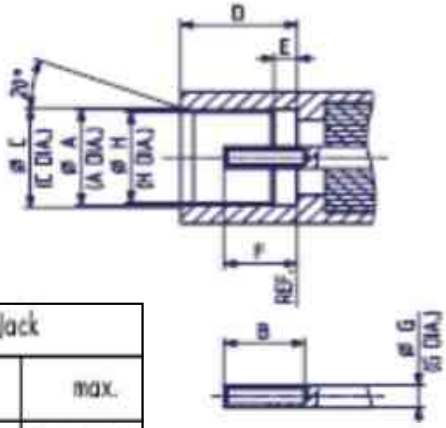
Above, are typical characteristics of MCX connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

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		

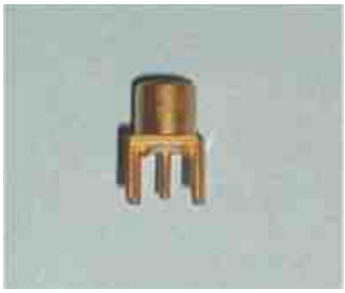
SEMIRIGID CABLE CONNECTORS

RIGHT ANGLE 90° PLUGS (M)

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

PCB CONNECTORS

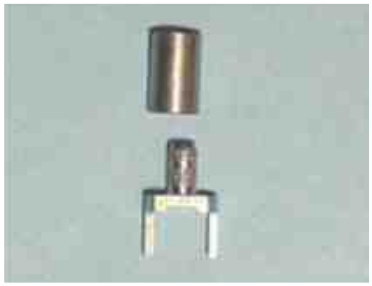
STRAIGHT JACKS (F) PCB



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

PCB CABLE TERMINATORS

FLEXIBLE CABLE TERMINATORS CRIMP



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

FLEXIBLE CABLE TERMINATORS SOLDERED

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

SEMIRIGID CABLE TERMINATORS SOLDERED

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

MMCX

COAXIAL CONNECTORS 50Ω

ITALIAN excellence

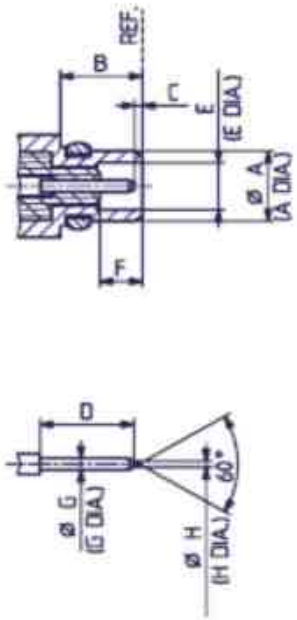
TECHNICAL INFORMATIONS MMCX

		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 * 10^3 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

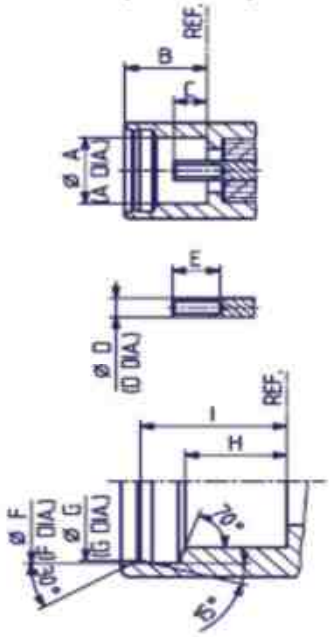
Plug (male)



	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

Jack (female)



FLEXIBLE CABLE CONNECTORS

STRAIGHT PANEL PLUGS (M) CRIMP

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
932417TP	MMCX m for RG 178		

SEMIRIGID CABLE CONNECTORS

STRAIGHT PANEL PLUGS (M)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

P.N. GENEX RF	Description	Notes	Fig.
932023	MMCX m for UT.085		

RIGHT ANGLE 90° PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
932423	MMCX m for UT.085		5

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
MR931300	MMCX f panel mount		1

DRAWINGS MMCX

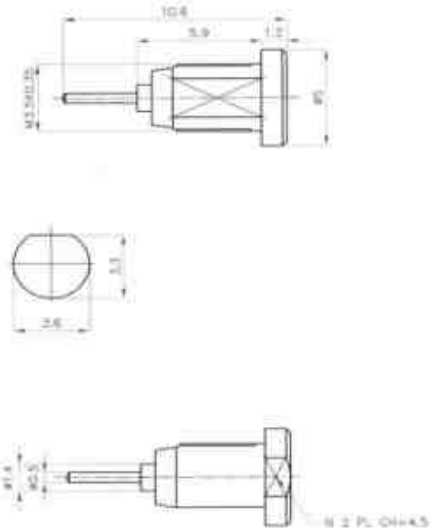
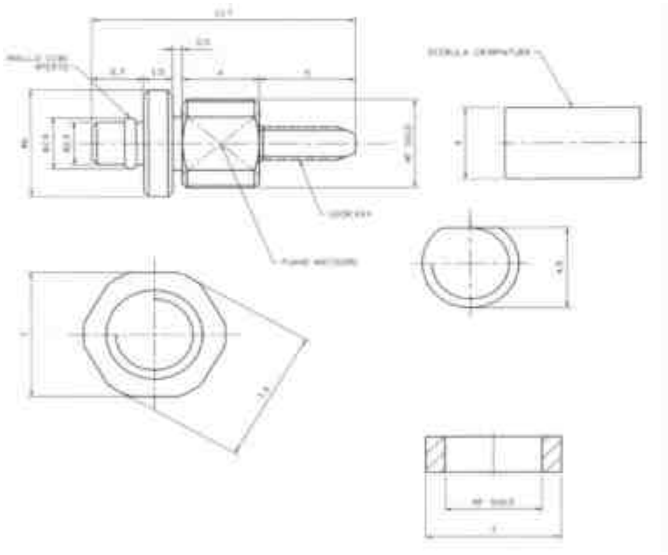


Fig.1 P/N MR931300



P/N MR932817TP Fig.2

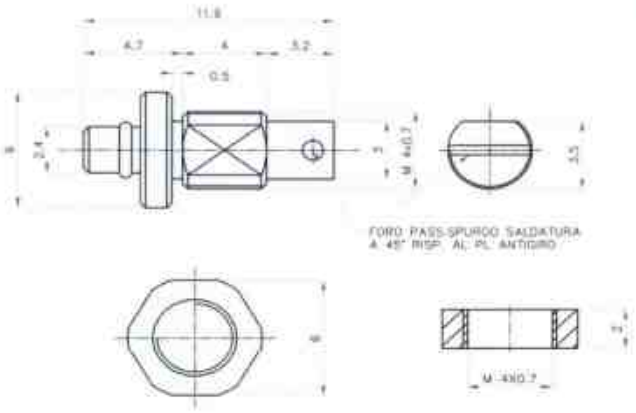
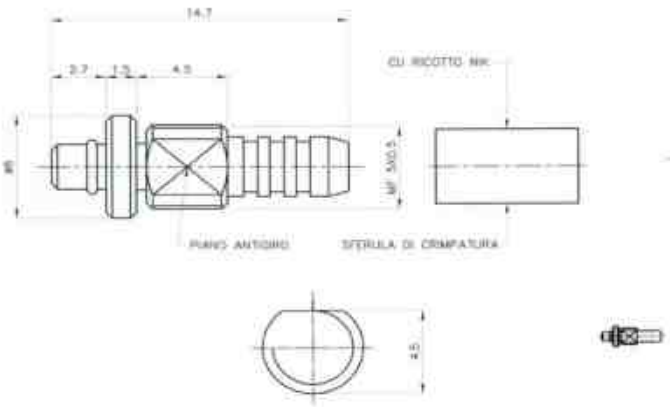


Fig.3 P/N MR932823-B



P/N MR932835TP Fig.4

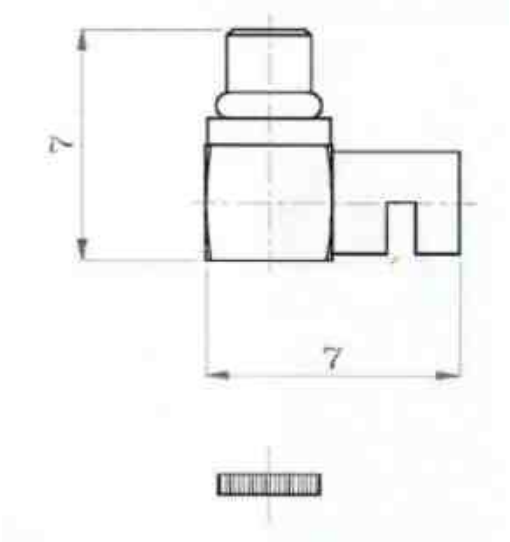
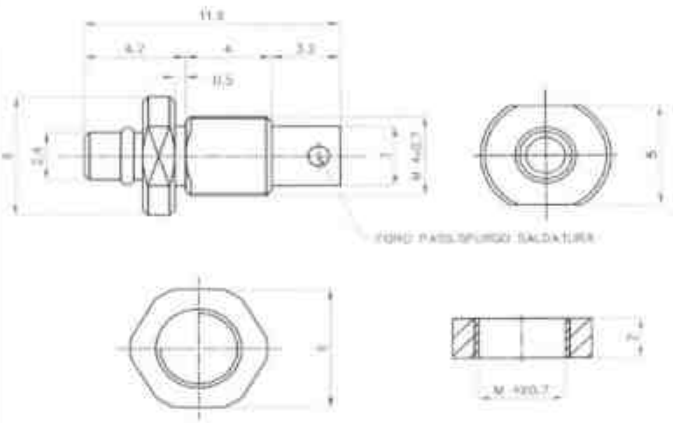


Fig.5 P/N 932423



P/N MR932823C Fig.6

OSP/BMA

COAXIAL CONNECTORS 50Ω

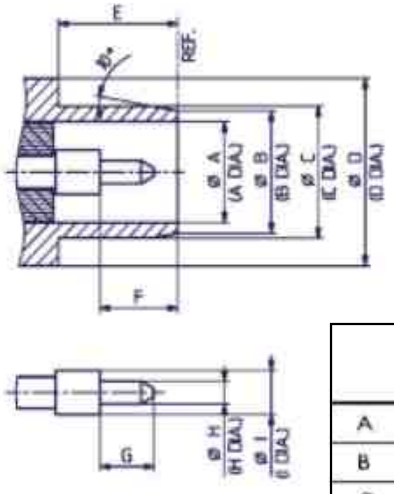
TECHNICAL INFORMATIONS OSP/BMA

		notes
Frequency range	DC ÷ 18 GHz	
VSWR :	1.02+0.005 f (GHz)	typical
Impedance	50 Ω	
Insulation	≥ 5 * 10^3 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	

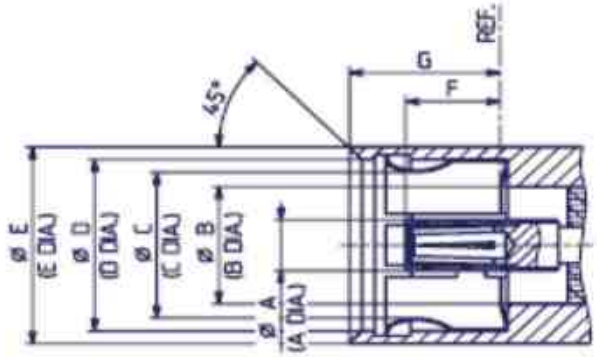
Above, are typical characteristics of OSP/BMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

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

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

SEMIRIGID CABLE CONNECTORS

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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

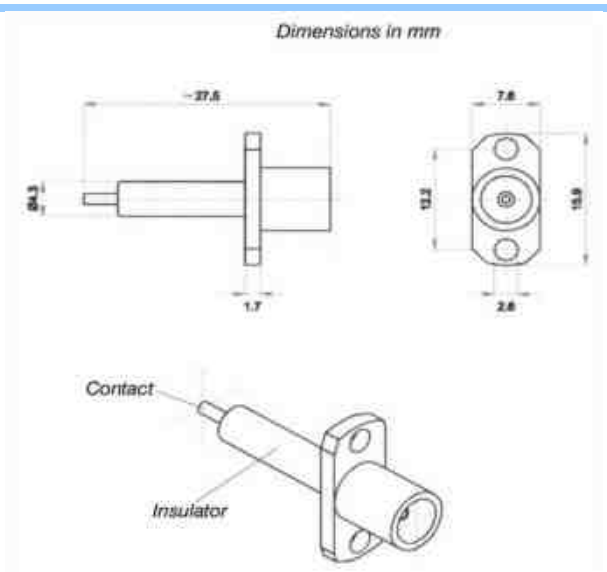
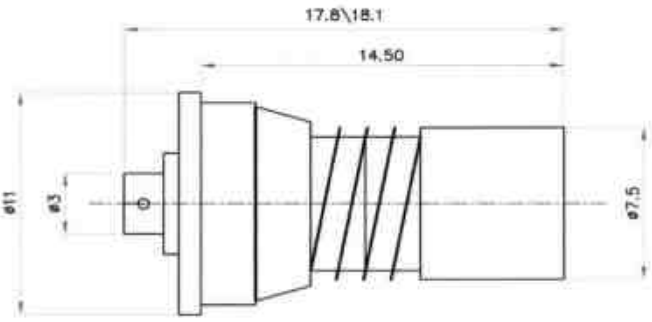


Fig.1 P/N KS331500LS



P/N KS331823 Fig.2

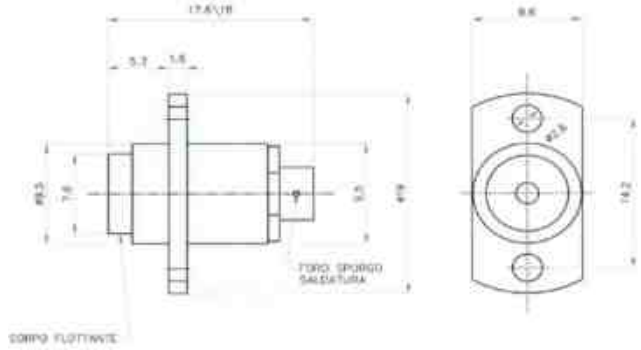
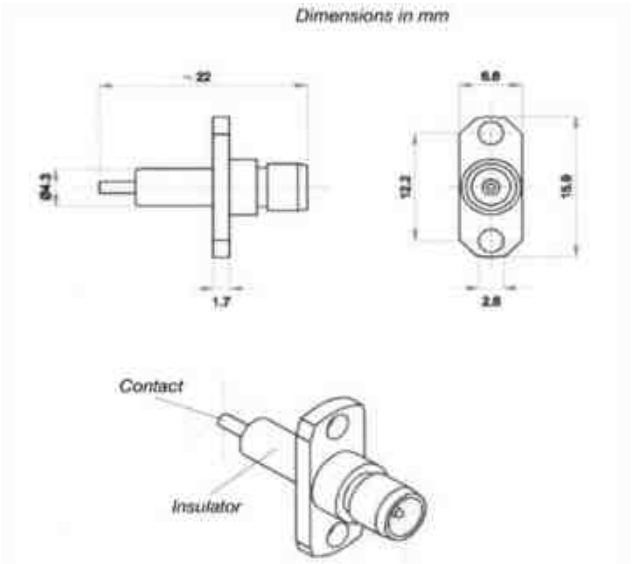


Fig.3 P/N KS331636LS



P/N KS332500LS Fig.4

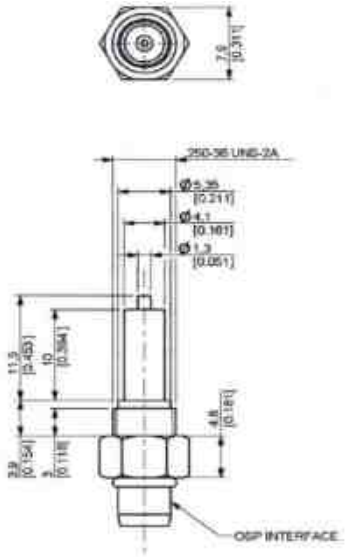
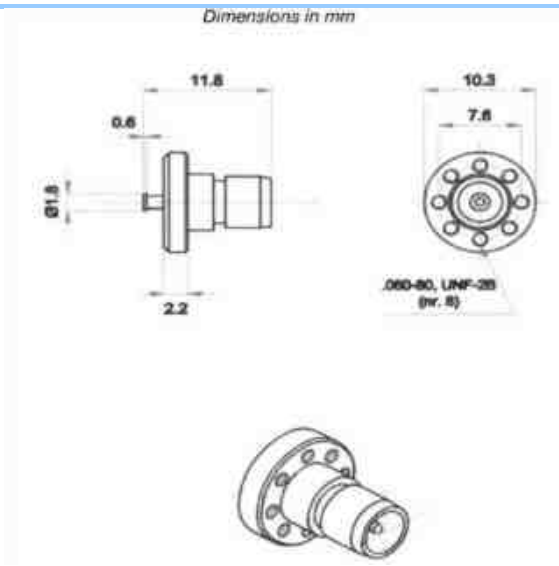


Fig.5 P/N KS332700



P/N KS332900PC Fig.6

DRAWINGS OSP/BMA

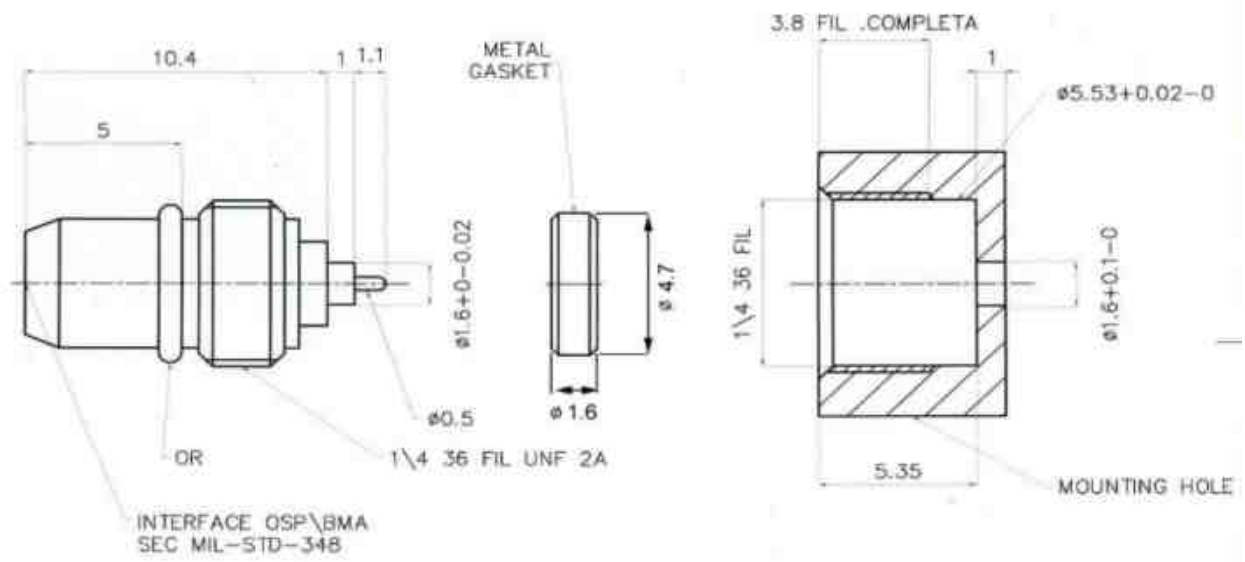


Fig.7 **P/N KS332700ST**

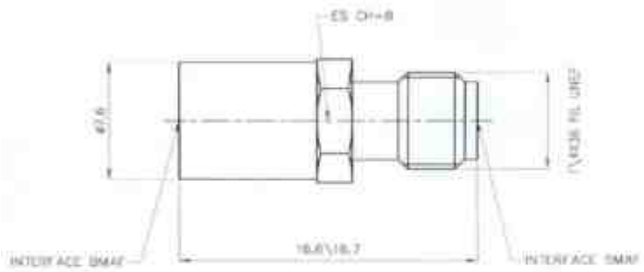
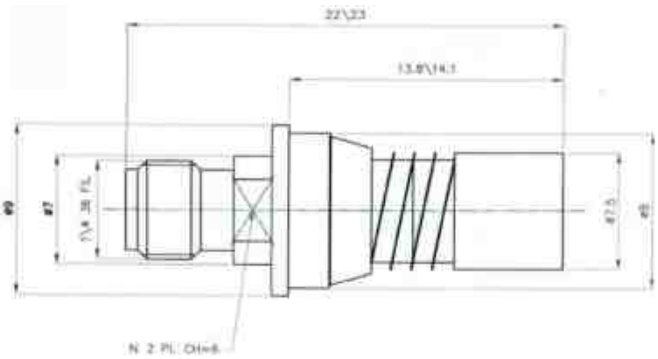


Fig.8 **P/N KS3313331**



P/N KS3317331 **Fig.9**

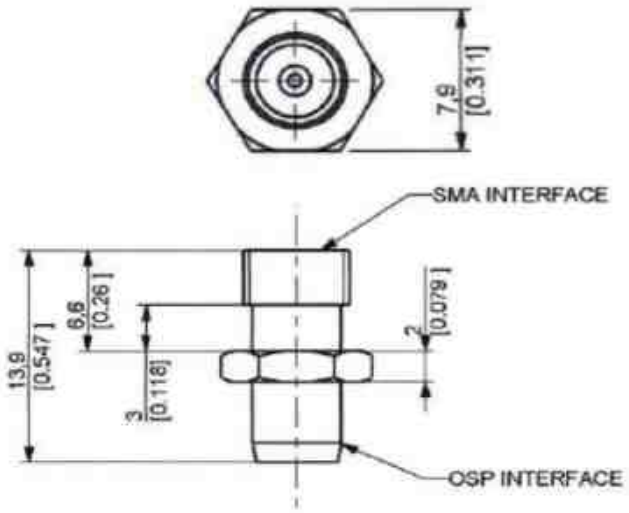
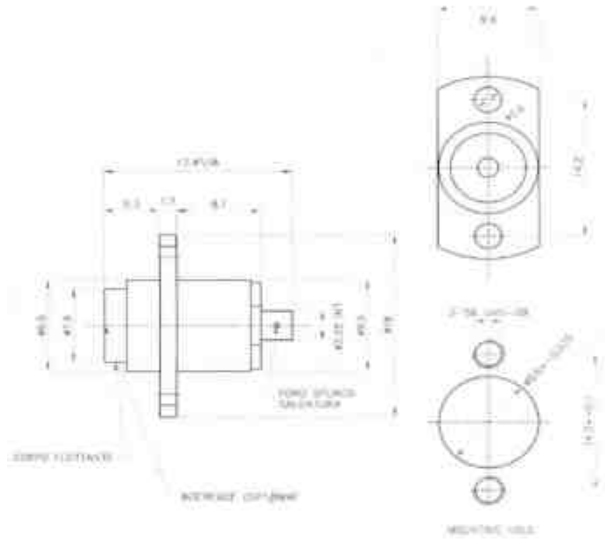


Fig.10 **P/N KS3323331**



P/N KS331623LS **Fig.11**

DRAWINGS OSP/BMA

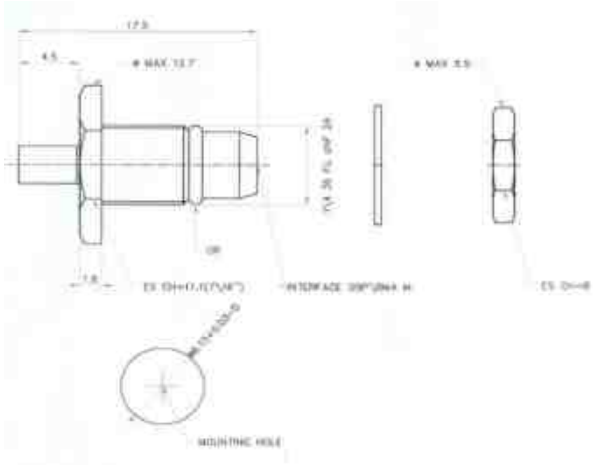
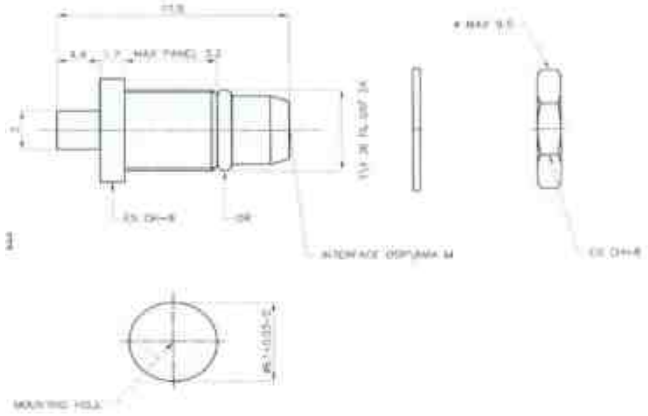


Fig.12 P/N KS332823



P/N KS332823A Fig.13

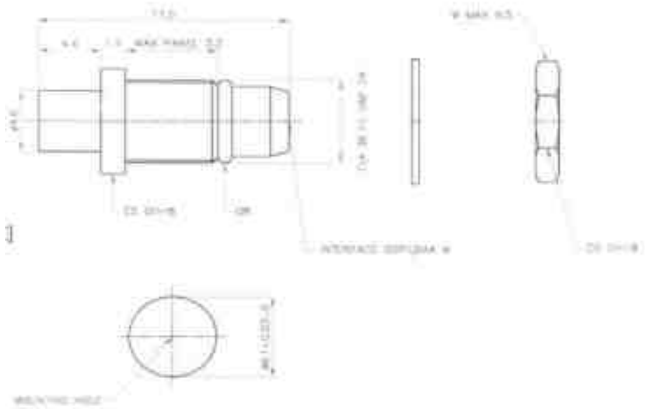
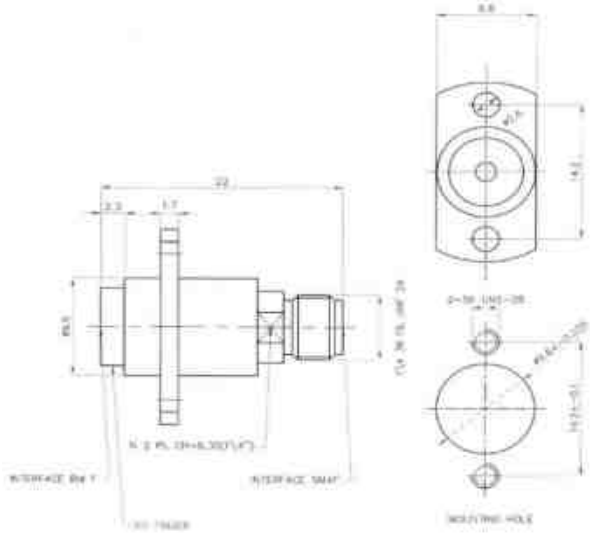


Fig.14 P/N KS332836



P/N KS3216331 Fig.15

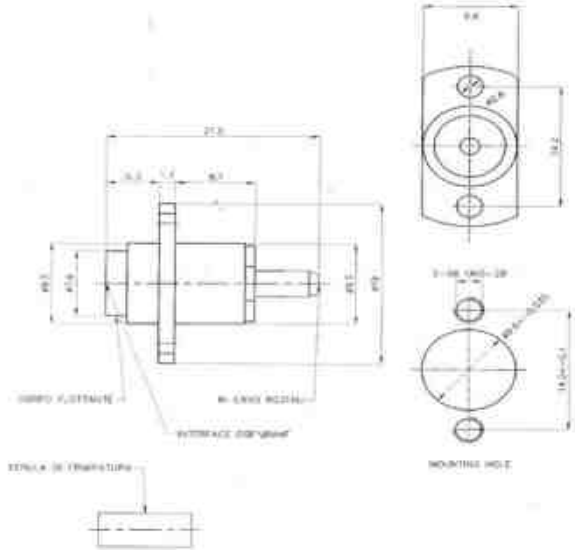
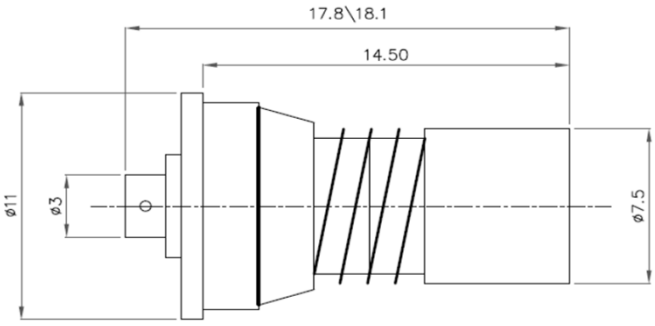


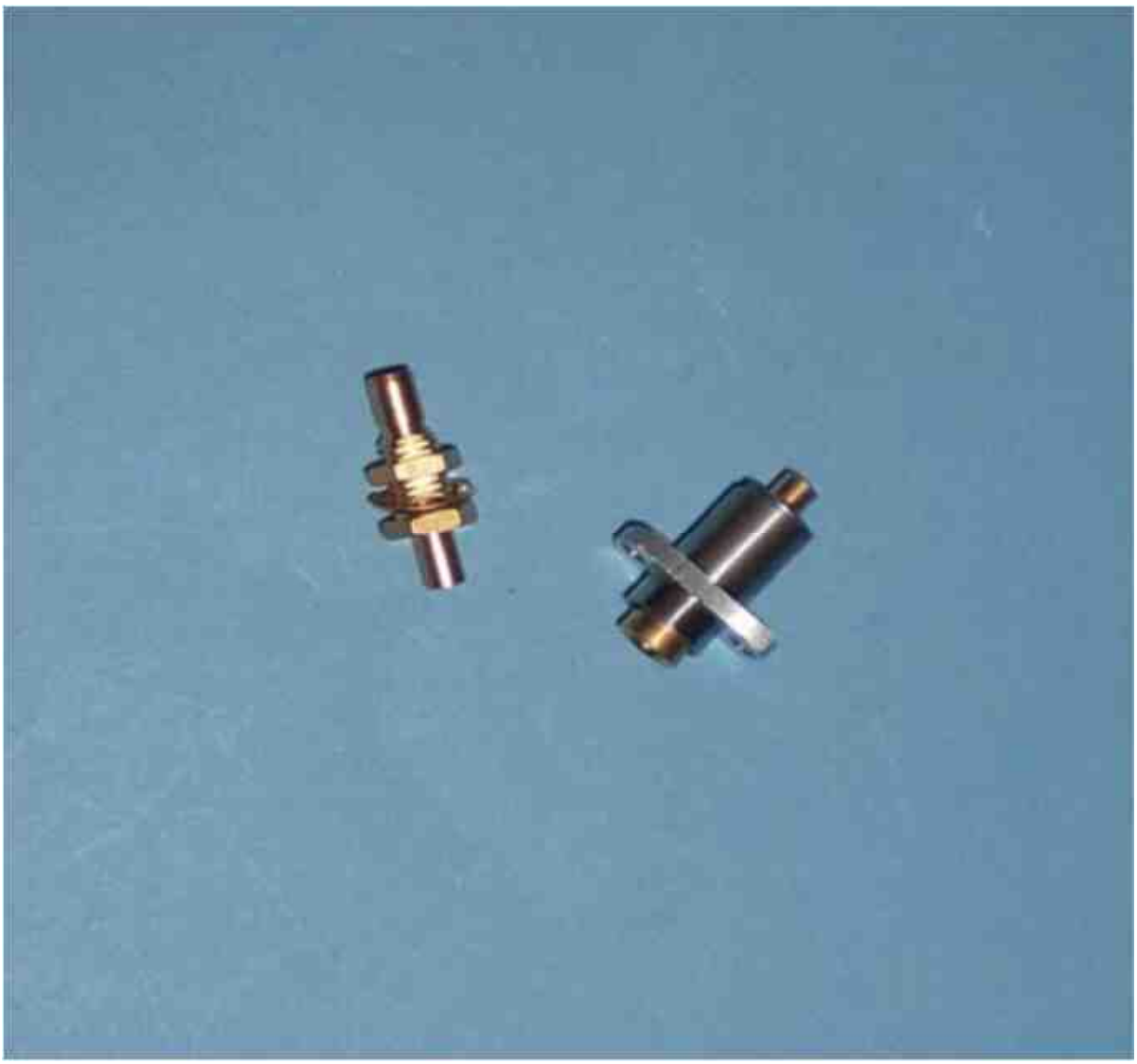
Fig.16 P/N KS331635TPLS



P/N KS331623 Fig.17

OSSP/SBMA

COAXIAL CONNECTORS 50Ω



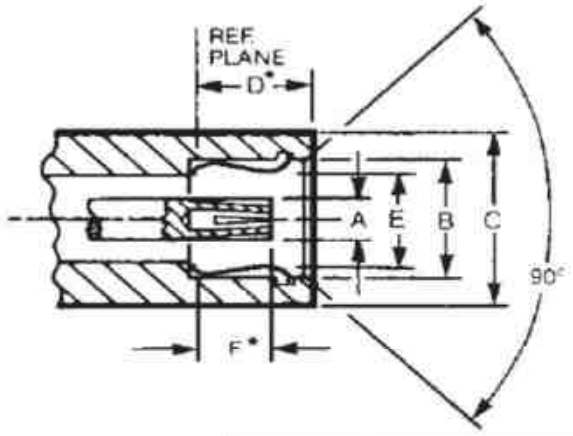
TECHNICAL INFORMATIONS OSSP/SBMA

		notes
Frequency range	DC ÷ 28 GHz	
VSWR :	1.05+0.01 f (GHz)	typical
Impedance	50 Ω	
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤6.0 mΩ	
	outer ≤3.0 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	

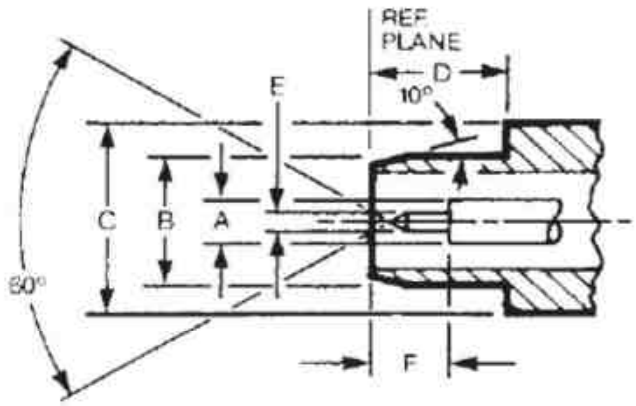
Above, are typical characteristics of OSSP/SBMA connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

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

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

SEMIRIGID CABLE CONNECTORS

STRAIGHT PANEL JACKS (F)

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

STRAIGHT PANEL PLUGS (M)

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

DRAWINGS OSSP/SBMA

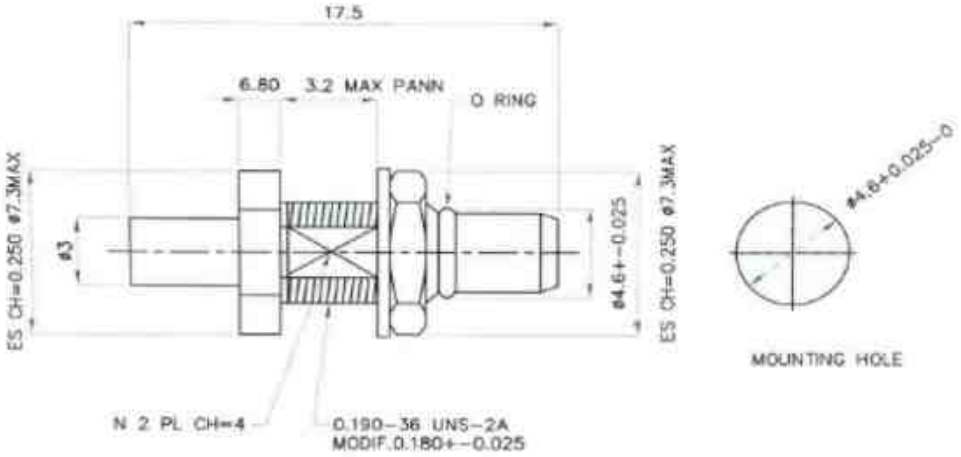


Fig.1

P/N KS312823

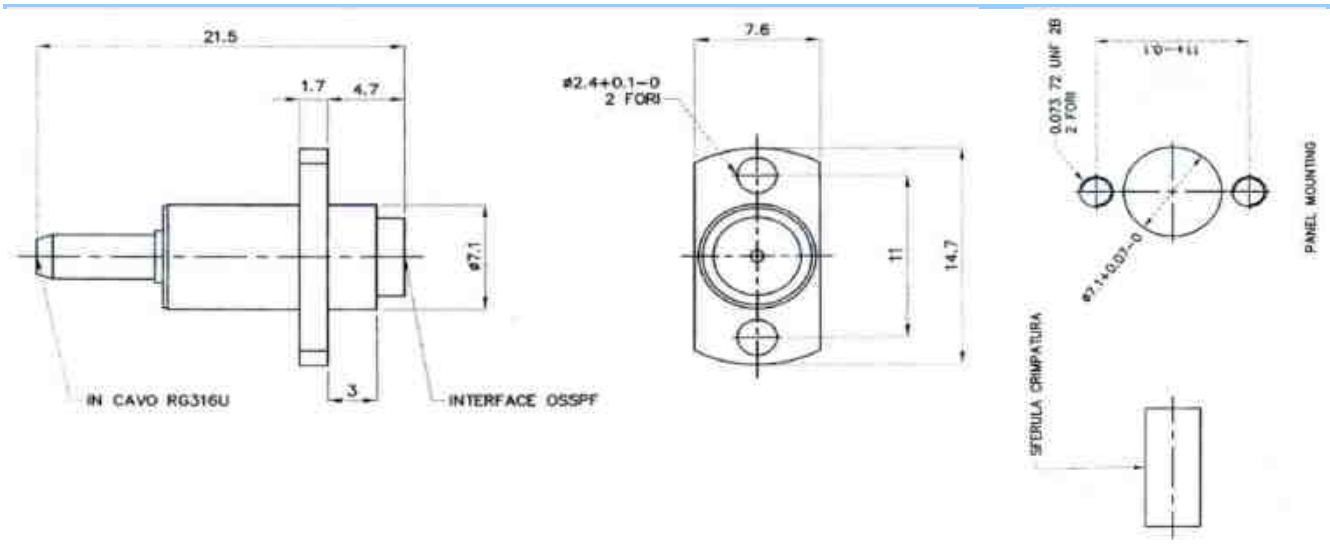


Fig.2

P/N KS311635TPLS

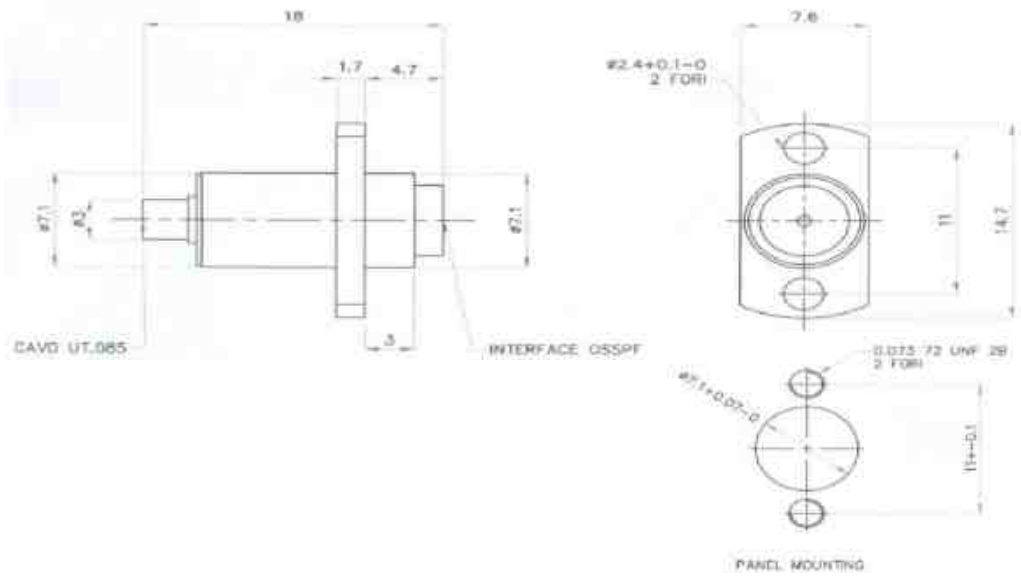


Fig.3

P/N KS311623LS

PMMA/BMZ

COAXIAL CONNECTORS 50Ω

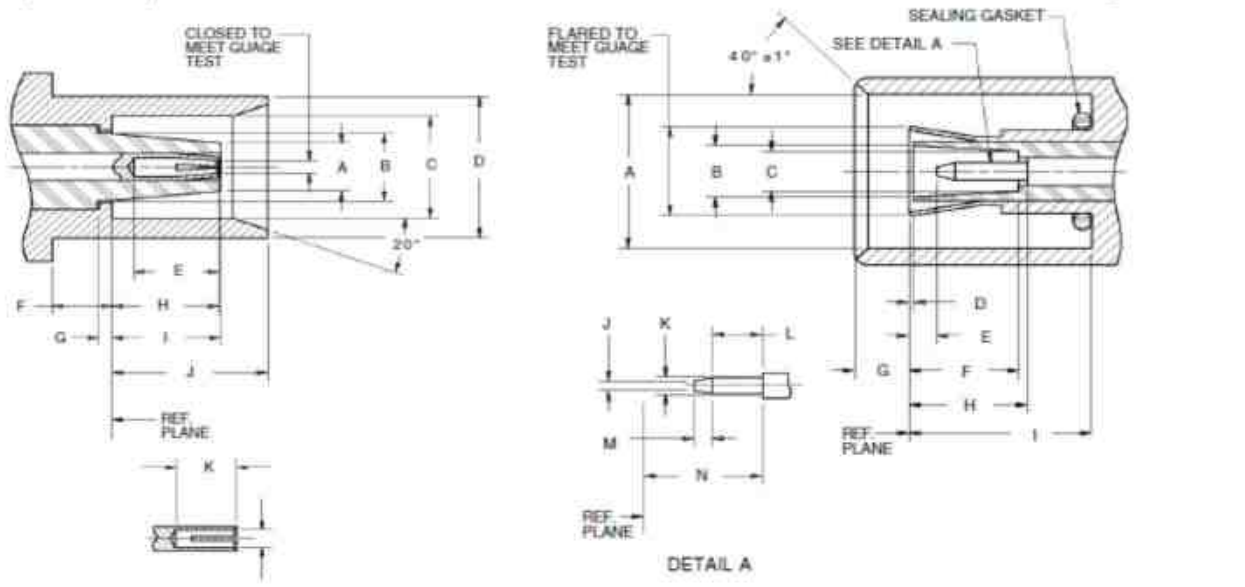
TECHNICAL INFORMATIONS PMMA/BMZ

		notes
Frequency range	DC ÷ 18 GHz	
VSWR :	1.05 + 0.01f (GHz)	
Impedance	50 Ω	
Insulation	≥ 5 * 10^3 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)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

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

DRAWINGS PMMA/BMZ

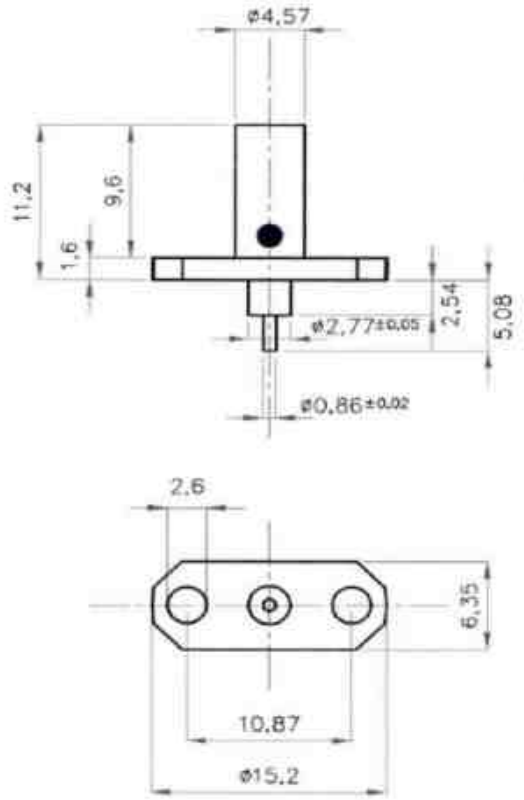
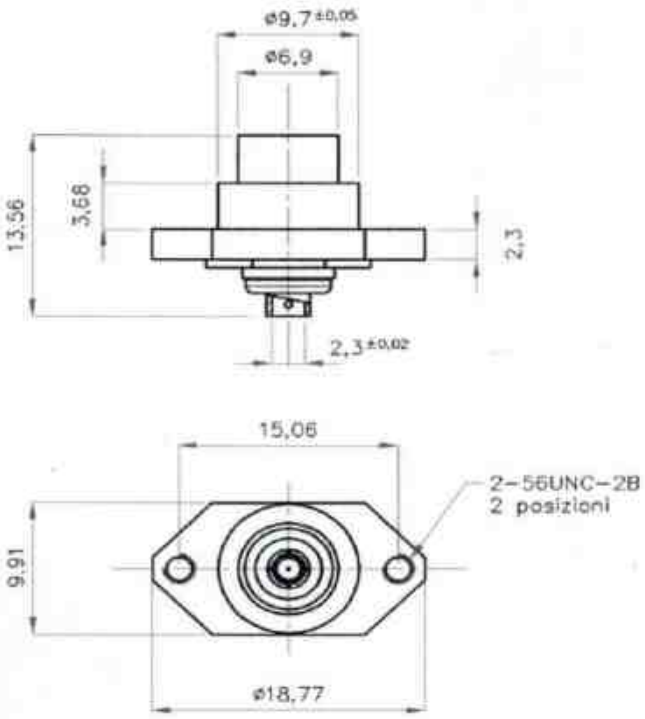


Fig.1 P/N MR381500LS



P/N MR382523LS Fig.2

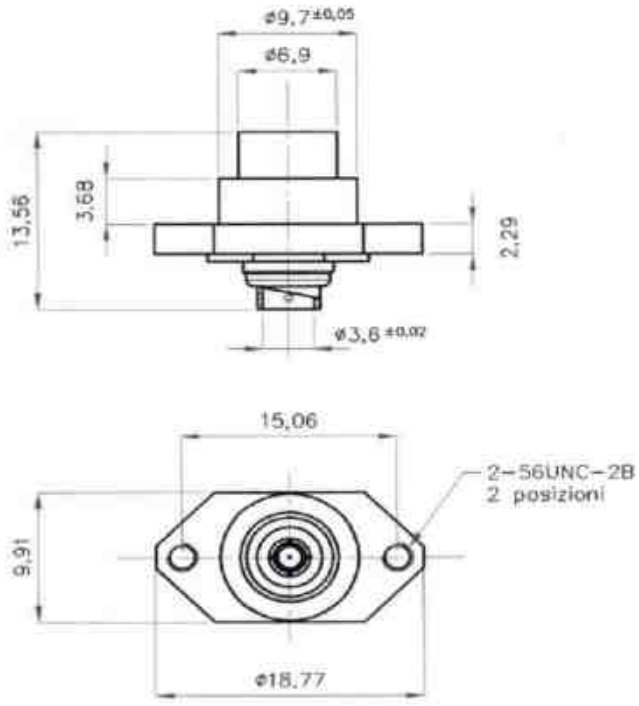
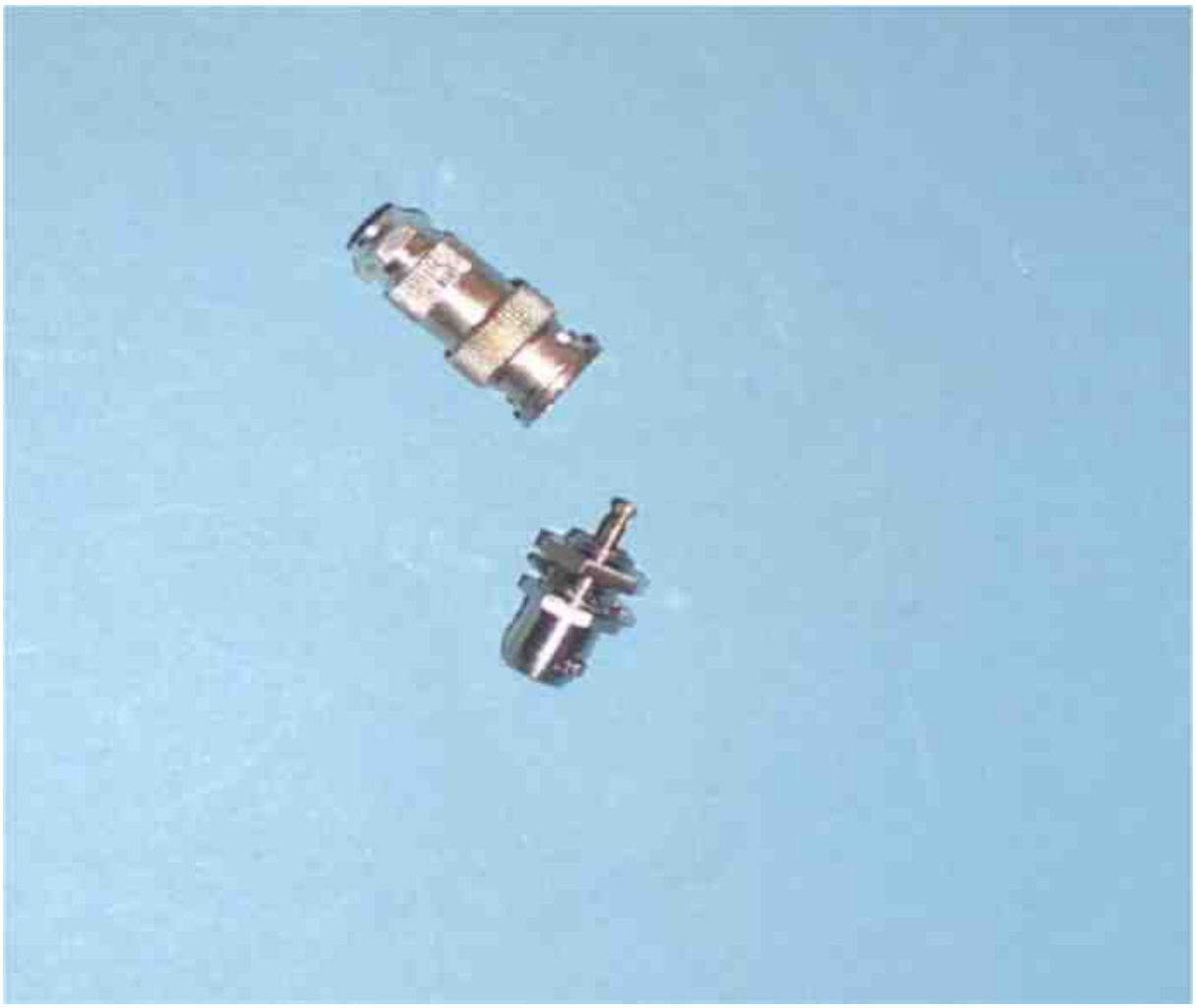


Fig.3 P/N MR382536LS

P/N Fig.4

BSM

COAXIAL CONNECTORS 75 Ω



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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
372700	BSM male solder contact	bulkhead	

RIGHT ANGLE 90° FEMALE BODY - MALE CONTACT

P.N. GENEX RF	Description	Notes	Fig.
372400	BSM male solder contact	square flange	

F

COAXIAL CONNECTORS 75 Ω

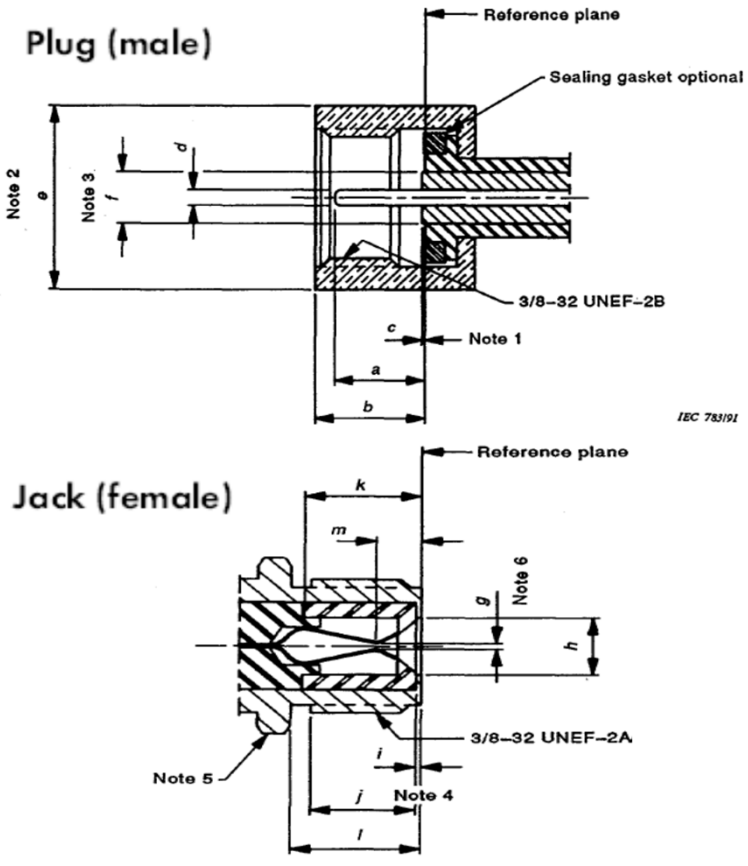
In Military sector, Genex RF can supply passive RF components on customer's request.

TECHNICAL INFORMATIONS F

		notes
Frequency range	DC ÷ 1.5 GHz	
Impedance	75 Ω	
VSWR :	depending on cable	
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤1.5 mΩ	
	outer ≤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



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

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

STRAIGHT PLUGS (M) CRIMP

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

RIGHT ANGLE 90° PLUGS (M) SOLDERED

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
441700	F f solder contact	bulkhead	

ADAPTERS F - F

P.N. GENEX RF	Description	Notes	Fig.
4413441	F f - F f		3
4423442	F m - F m		

For others combinations, see section " COAXIAL ADAPTERS"

DRAWINGS F

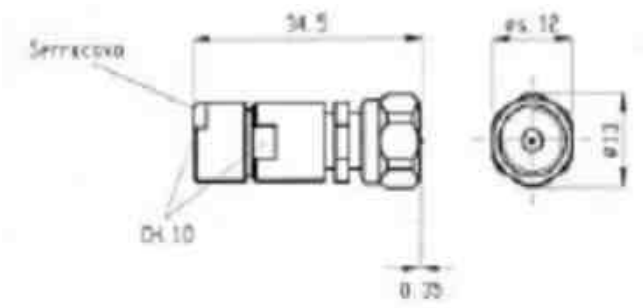
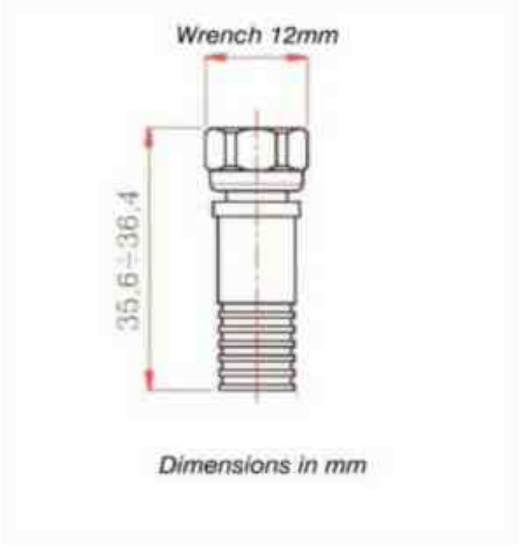


Fig.1 P/N 442064



P/N 442080TP Fig.2

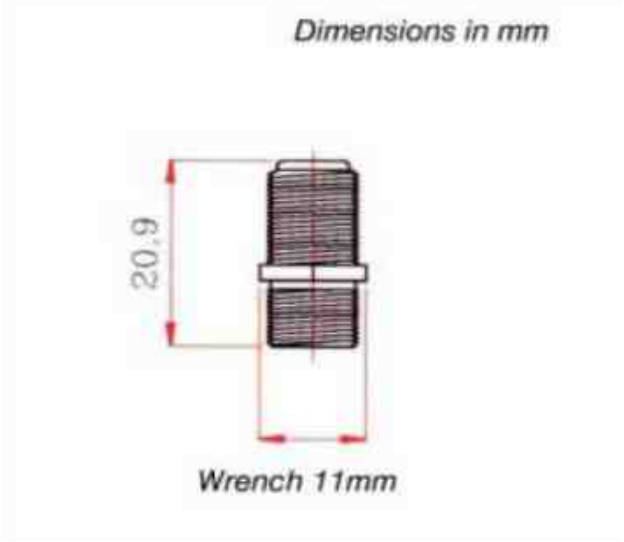


Fig.3 P/N 4413441

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.

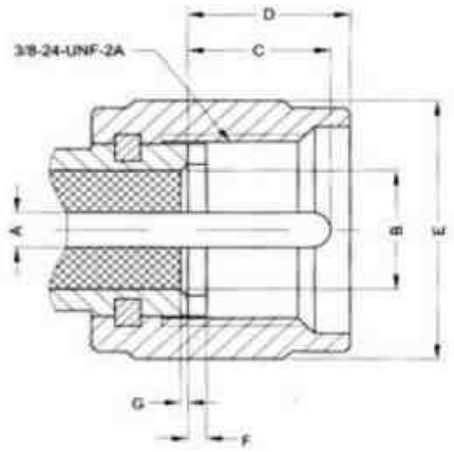
TECHNICAL INFORMATIONS MINI UHF

		notes
Frequency range	DC ÷ 2,5 GHz	
Impedance	50 Ω	
VSWR :	1.25 MAX	straight
	1.35 MAX	angle
Insulation	≥ 5 * 10^3 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

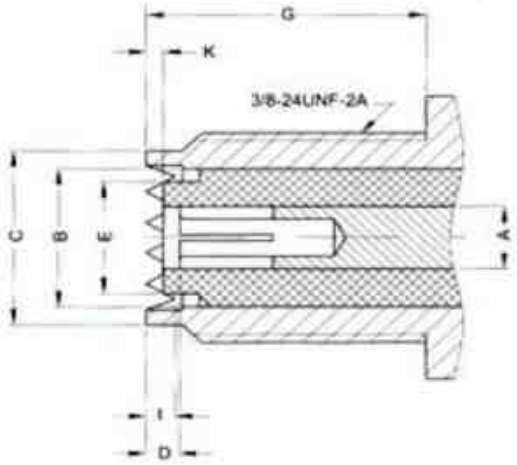
INTERFACE

Plug (male)



Plug		
Code	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)



Jack		
Code	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

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

TWINAX

COAXIAL CONNECTORS 95 Ω

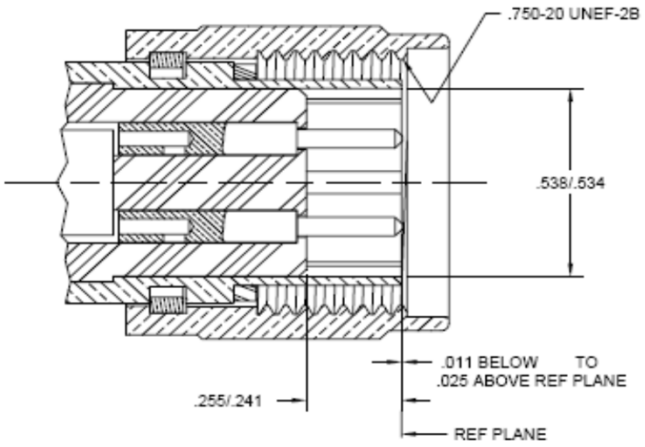
TECHNICAL INFORMATIONS TWINAX

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

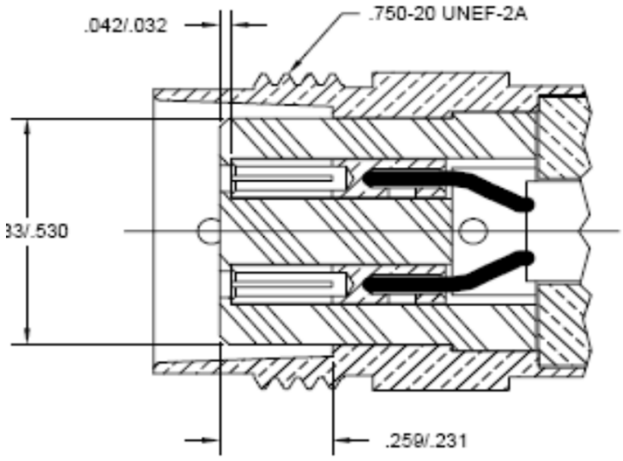
Above, are typical characteristics of TWINAX connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Plug (male)



Jack (female)



FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
512085	Twinax m for twinax cable		

STRAIGHT JACKS (F) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
511085	Twinax f for twinax cable		

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

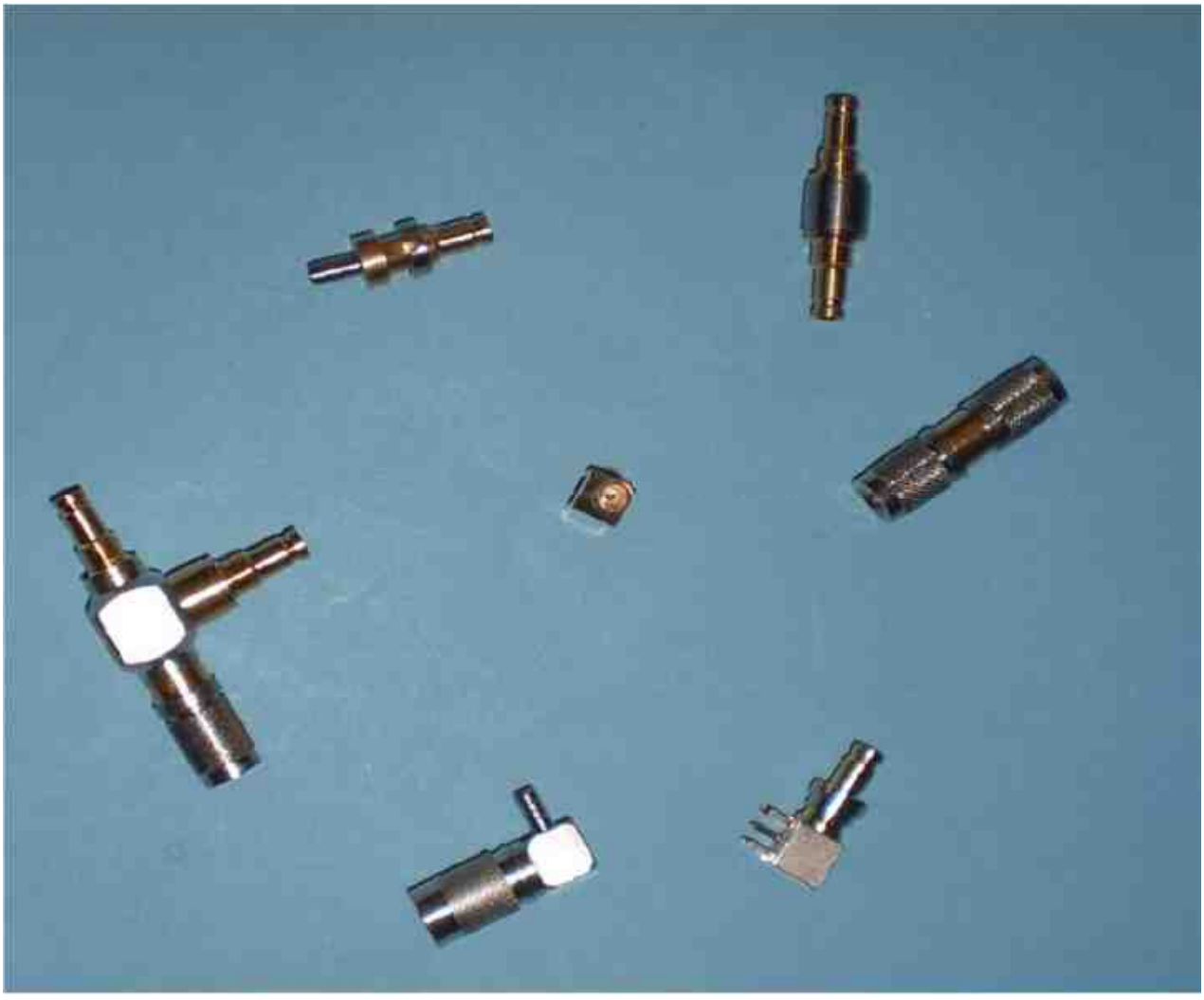
P.N. GENEX RF	Description	Notes	Fig.
511700	Twinax f solder contact	bulkhead	

ADAPTERS TWINAX - TWINAX

P.N. GENEX RF	Description	Notes	Fig.
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 Ω



Genex RF has the quality certification ISO 9001

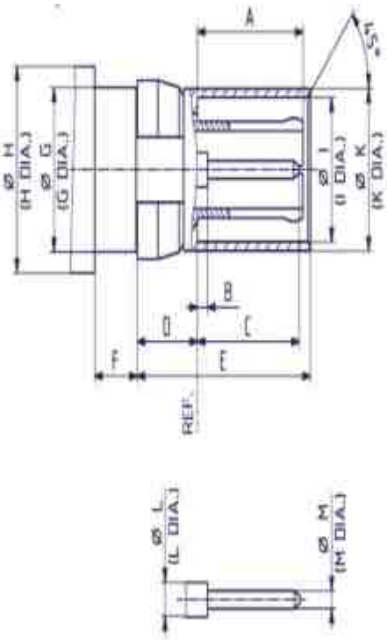
TECHNICAL INFORMATIONS 1.0/2.3

		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 * 10^3 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	

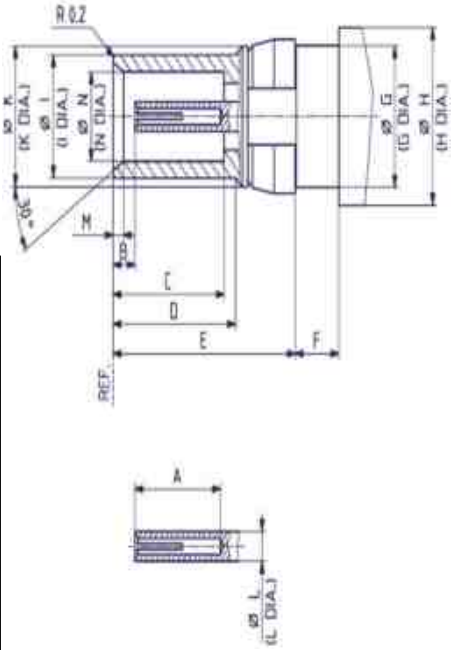
Above, are typical characteristics of 1.0/2.3 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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)

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

RIGHT ANGLE 90° JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

ADAPTERS 1.0/2.3 - 1.0/2.3

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
DS1009012421	DECOUPLER	-20 dB decoupled	
	Through line BNC m - f		
	Decoupled output 1.0/2.3 f		
DS42090112	DECOUPLER	-20 dB decoupled	13
	Through line 1.0/2.3 m -1.0/2.3 f		
	Decoupled output 1.0/2.3 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		
DS42090112UR	DECOUPLER	-20 dB decoupled	14
	Through line1.0/2.3 m - f		
	Decoupled output 1.0/2.3 f		
DS6109012421	DECOUPLER	-20 dB decoupled	15
	Through line 1.6/5.6 m - f		
	Decoupled output 1.0/2.3 f		

on request, custom decoupled

ACCESSORIES

EXTRACTORS

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

WRENCHES

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

DRAWINGS 1.0/2.3

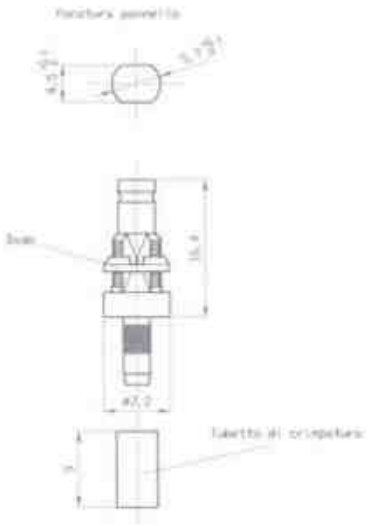
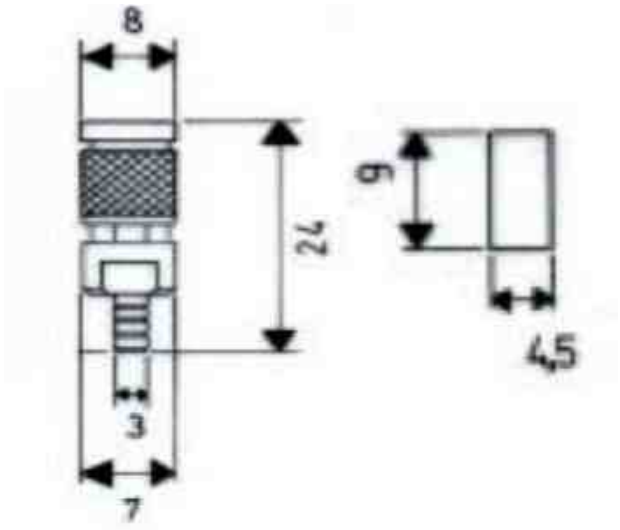


Fig.1 P/N 421849TP



P/N 422049TP Fig.2

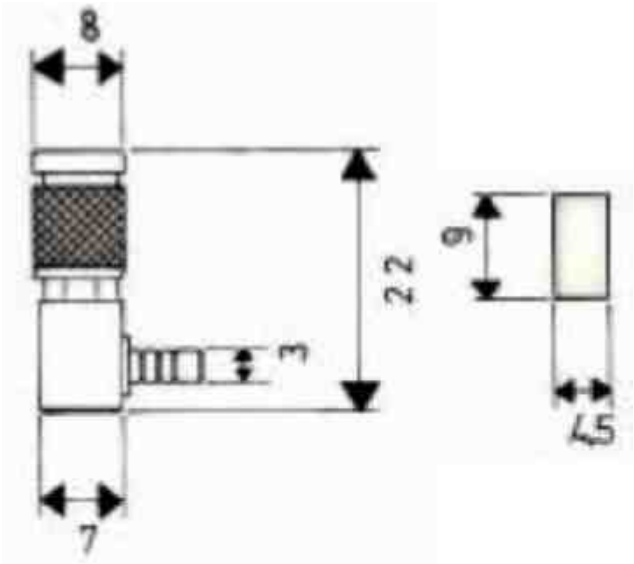
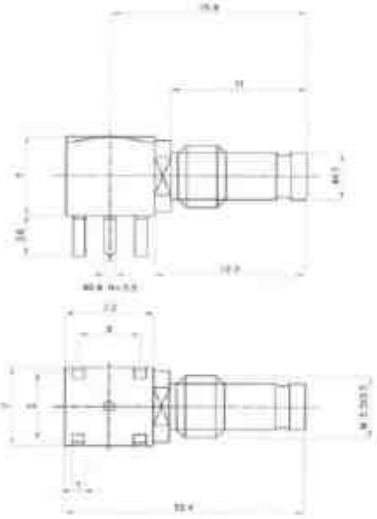


Fig.3 P/N 422449TP



P/N 4214CS Fig.4

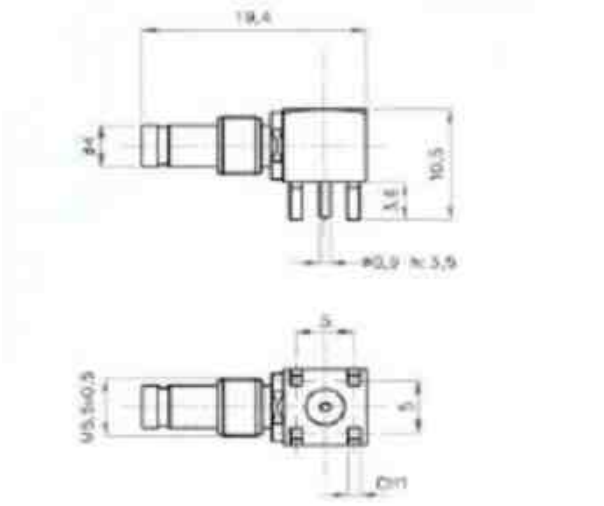
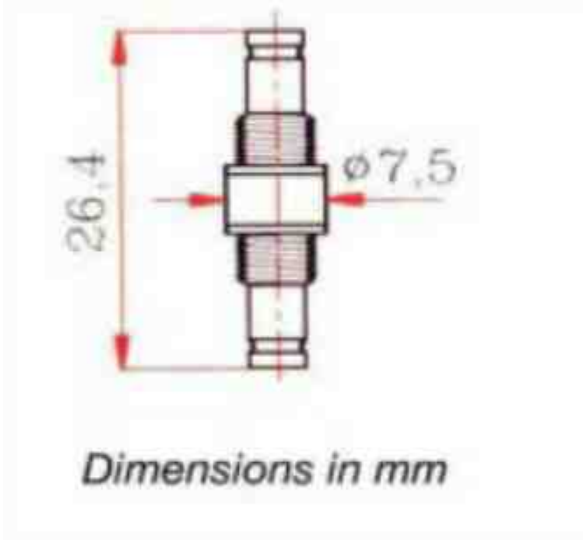


Fig.5 P/N 4214CS5



P/N 4213421 Fig.6

DRAWINGS 1.0/2.3

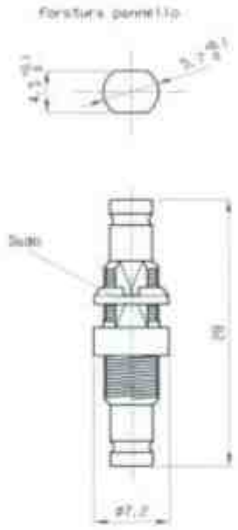
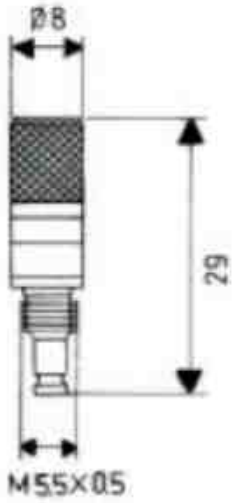


Fig.7 P/N 4217421



P/N 4223421 Fig.8

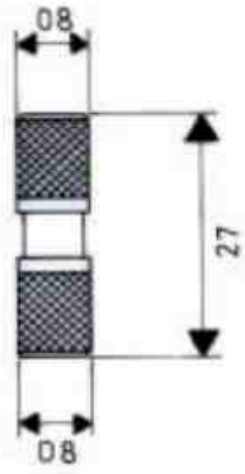
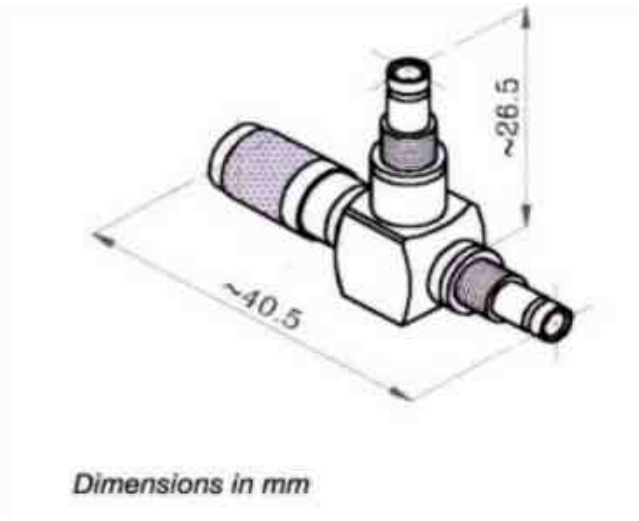


Fig.9 P/N 4223422



P/N 42090112 Fig.10

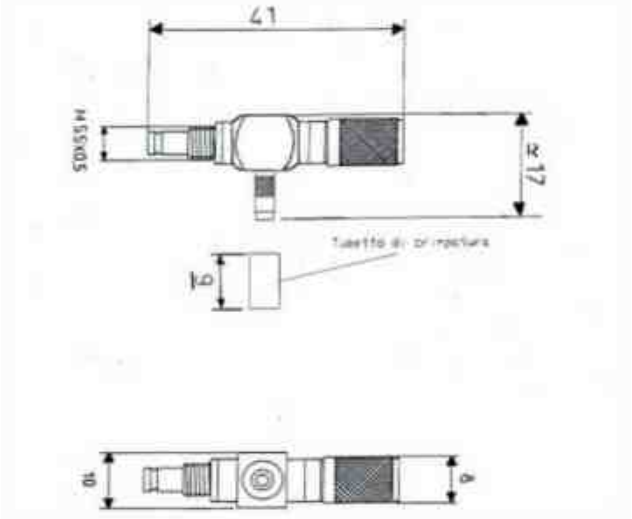
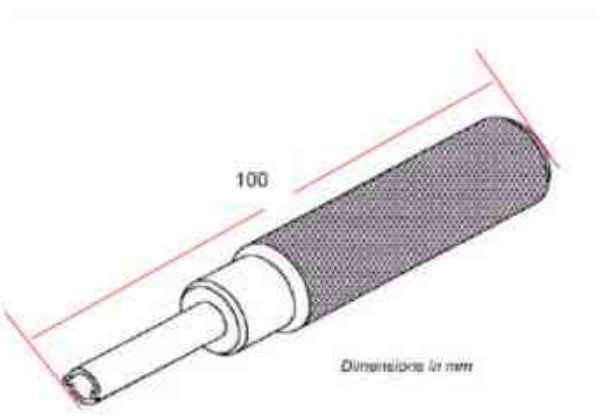


Fig.11 P/N 420901249TP



P/N CHV4210 Fig.12

DRAWINGS 1.0/2.3

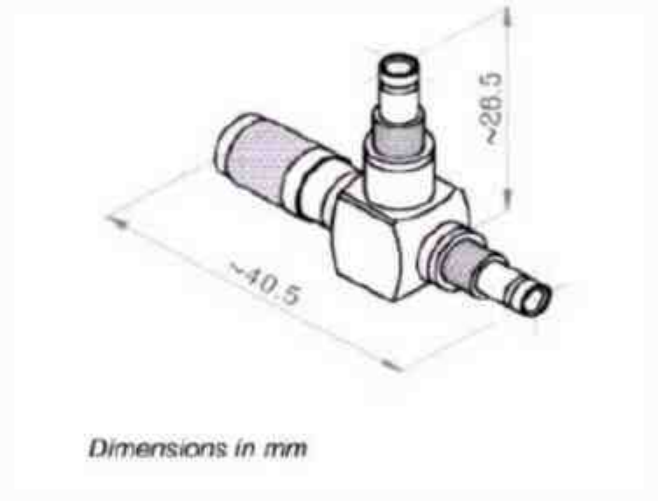
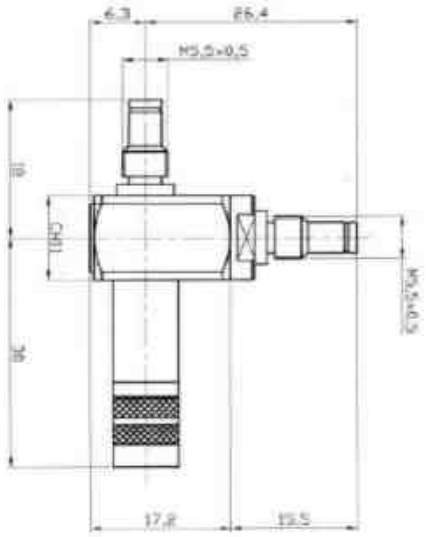


Fig.13 P/N DS42090112



P/N DS42090112UR Fig.14

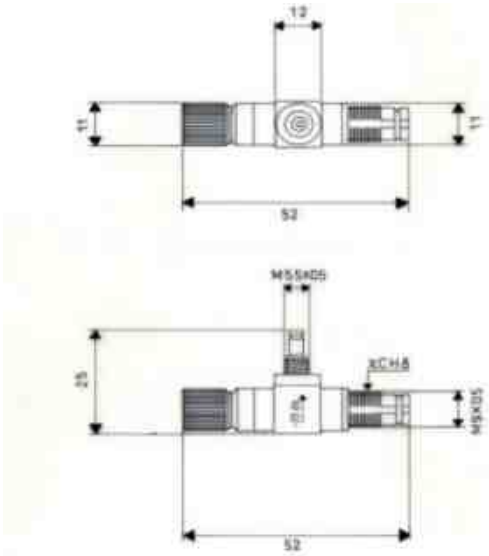
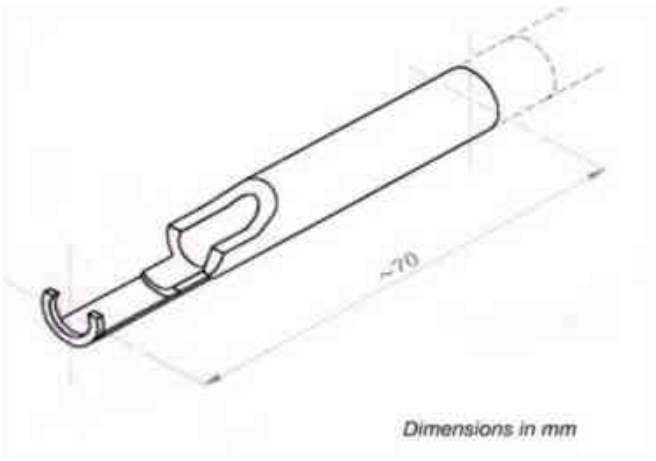


Fig.15 P/N DS6109012421



P/N EST4220 Fig.16

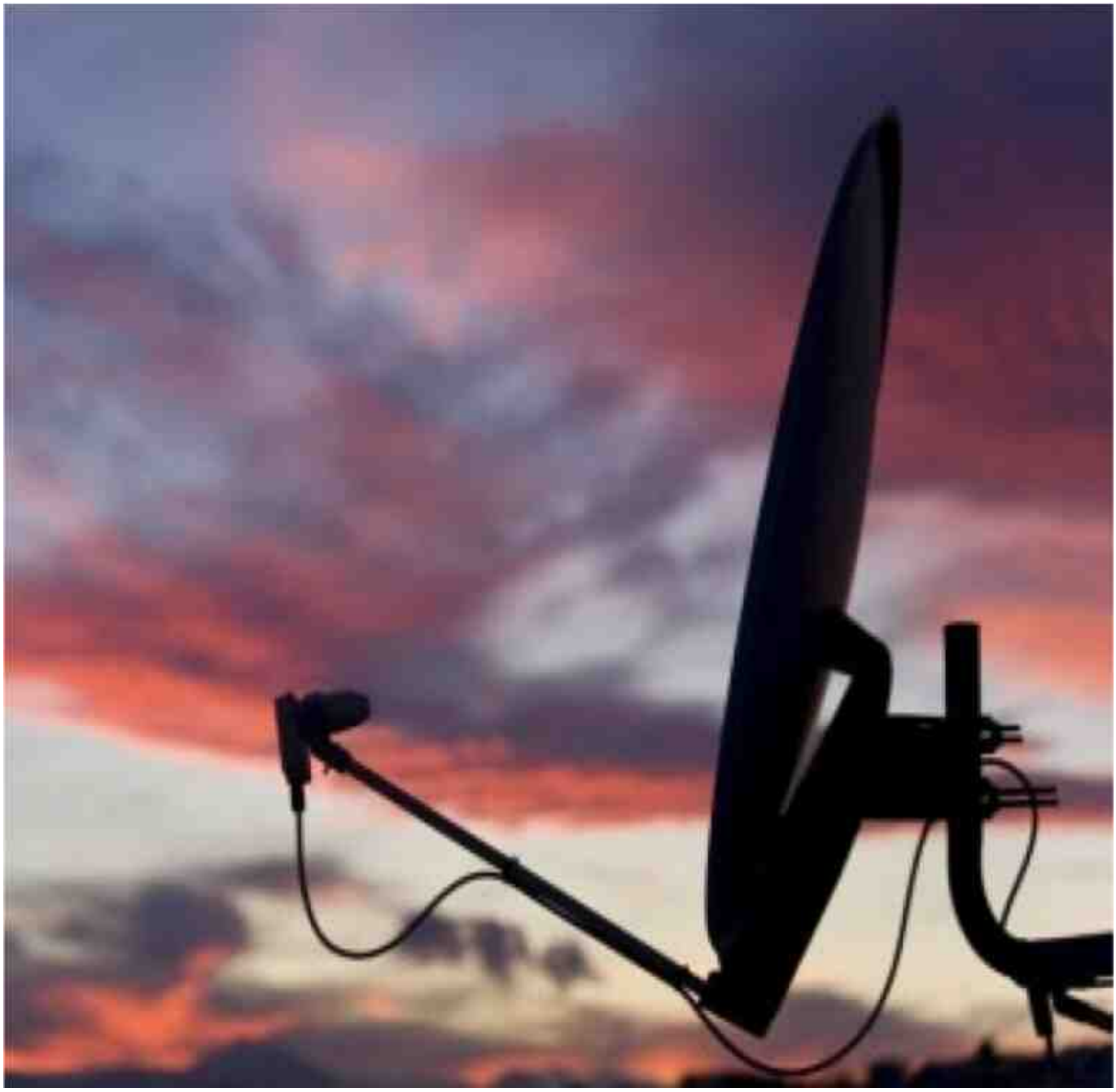
Fig.17 P/N

P/N Fig.18

1.6/5.6

COAXIAL CONNECTORS 75 Ω

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



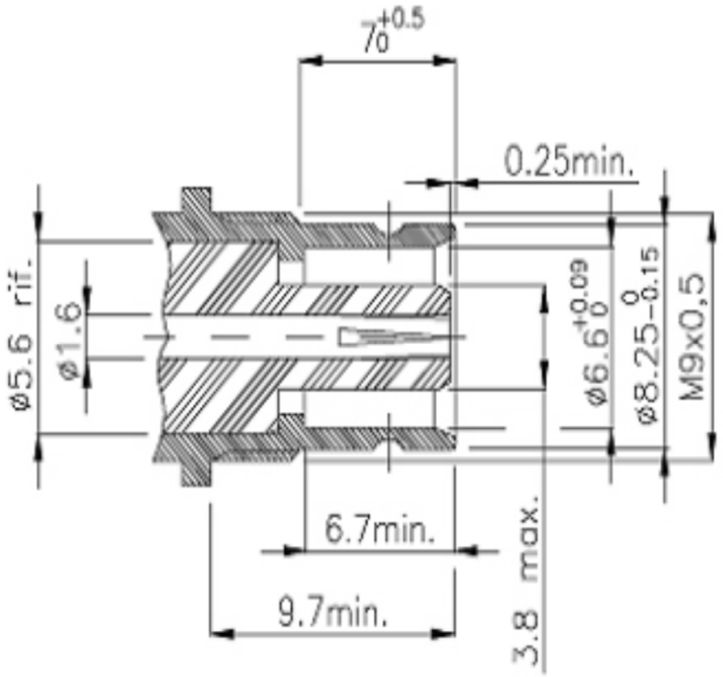
TECHNICAL INFORMATIONS 1.6/5.6

		notes
Frequency range	DC ÷ 1 GHz	
Impedance	75 Ω	
VSWR :	1.20 MAX	
Insulation	≥ 10 * 10^3 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	

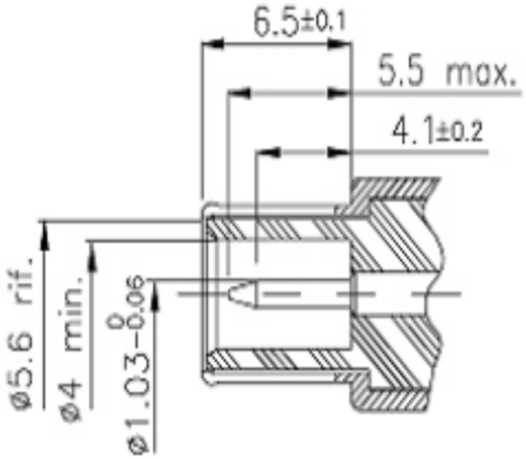
Above, are typical characteristics of 1.6/5.6 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Plug (male)



Jack (female)



FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

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

ADAPTERS 1.6/5.6 - 1.6/5.6

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
INS5049	Reduction insert for ST 212 cable		

DRAWINGS 1.6/5.6

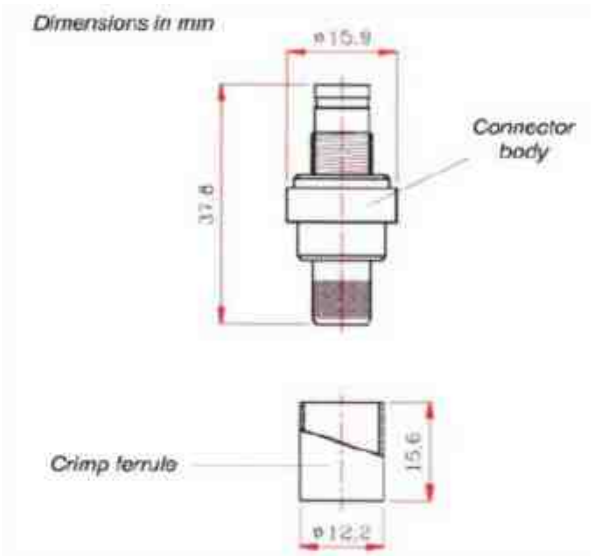
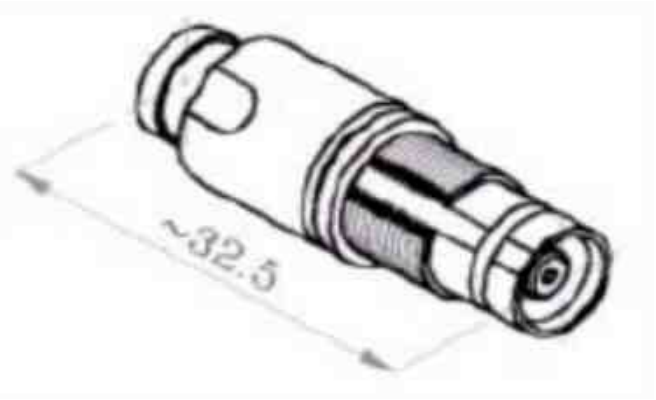


Fig.1 P/N 611011TP



P/N 611035 Fig.2

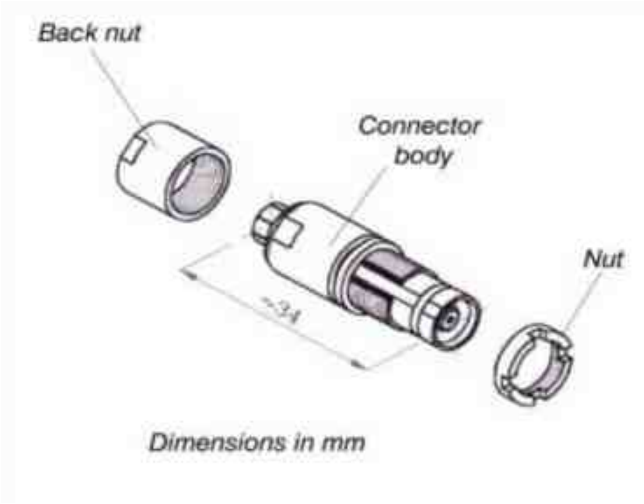
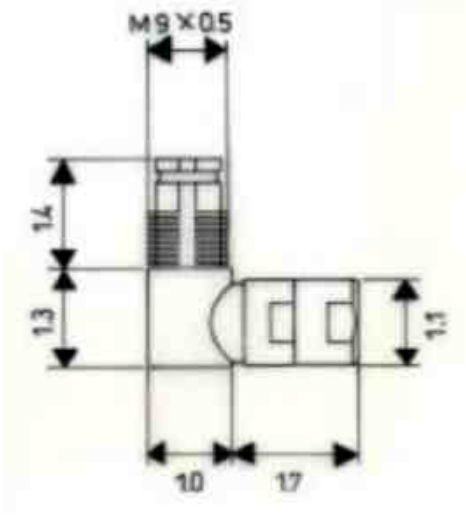


Fig.3 P/N 611050



P/N 611450 Fig.4

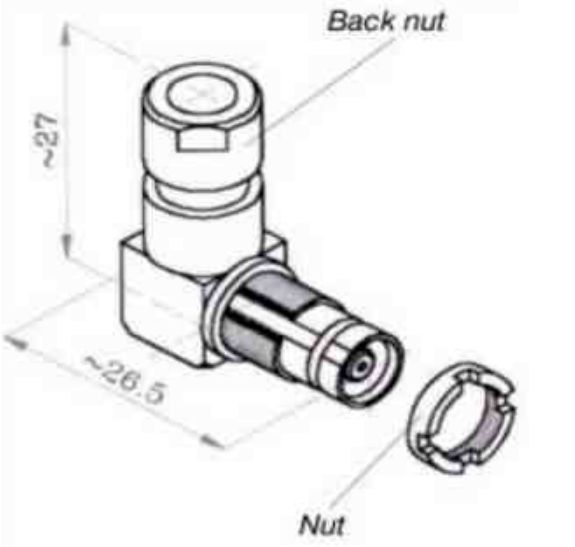
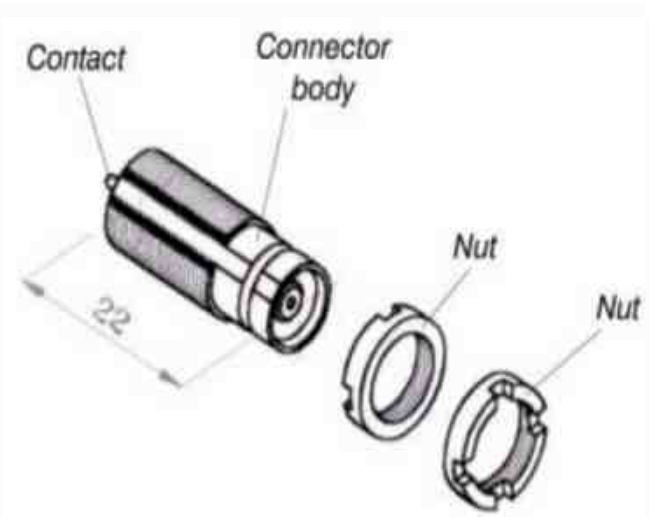


Fig.5 P/N 611464



P/N 611700 Fig.6

DRAWINGS 1.6/5.6

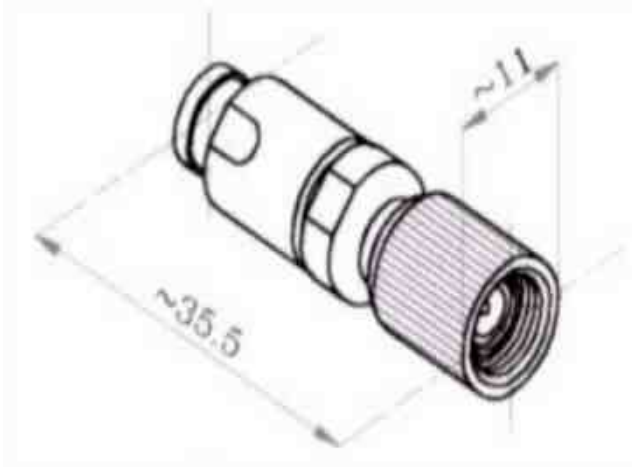
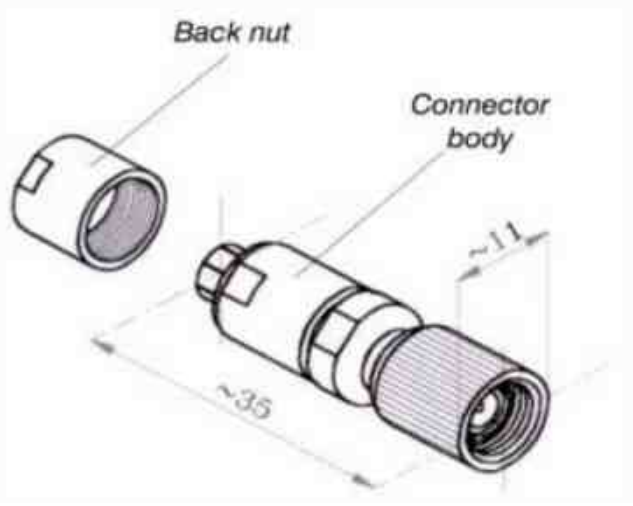


Fig.7 P/N 612035



P/N 612049 Fig.8

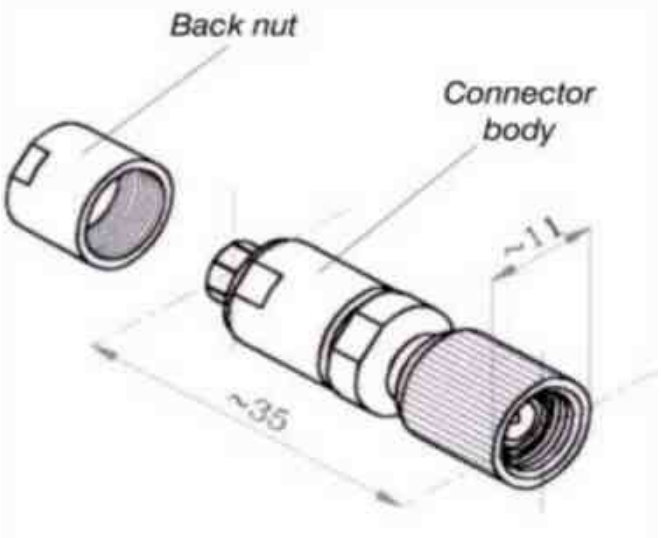
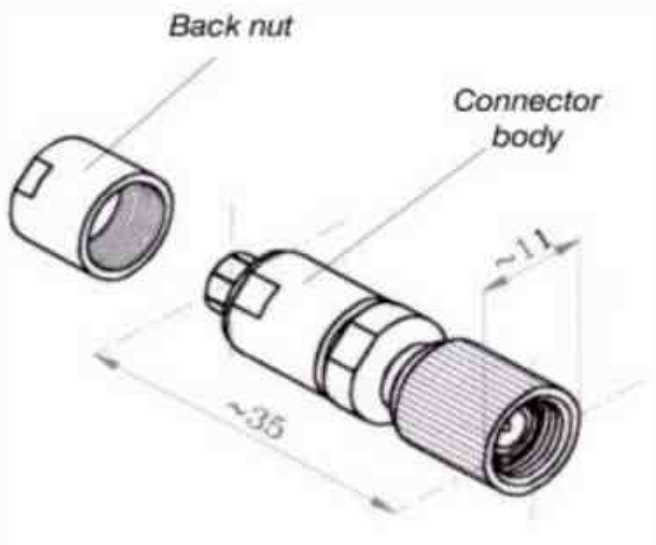


Fig.9 P/N 612050



P/N 612064 Fig.10

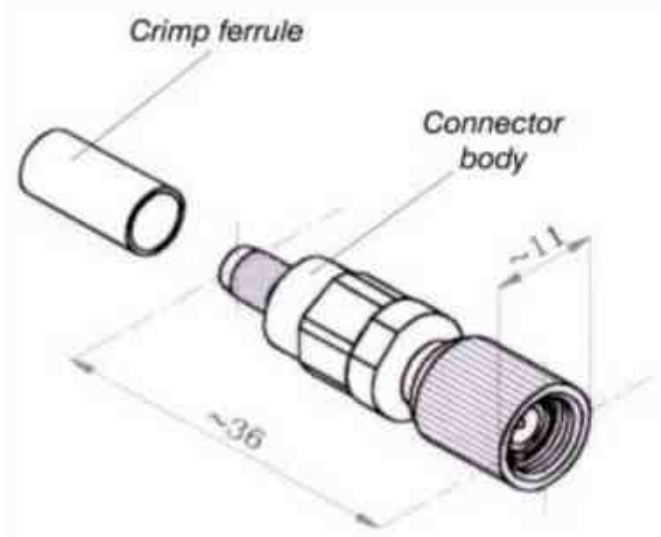
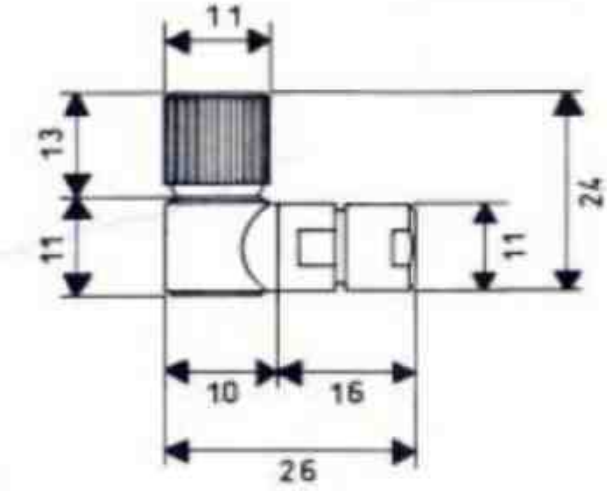


Fig.11 P/N 612064TP



P/N 612449 Fig.12

DRAWINGS 1.6/5.6

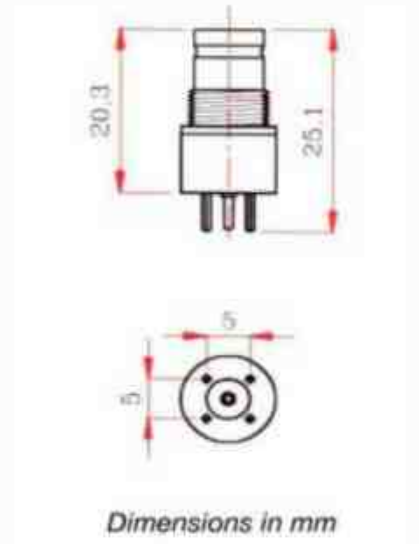
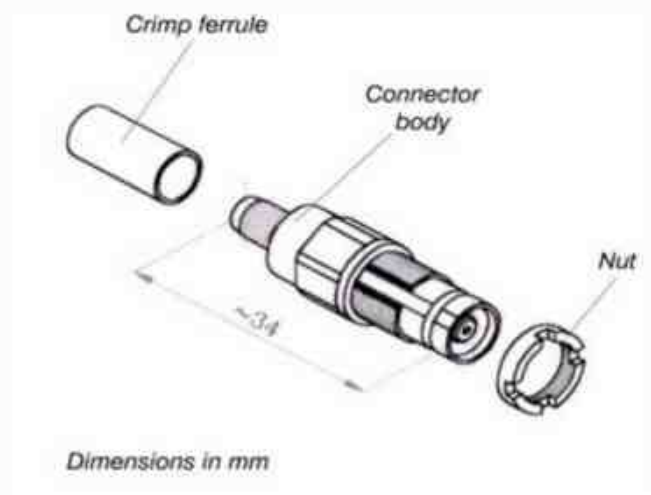


Fig.13 P/N 6110CS5



P/N 611064TPDS Fig.14

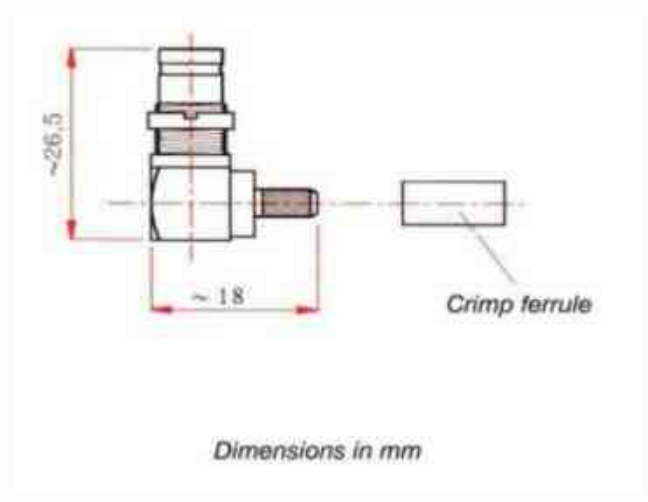
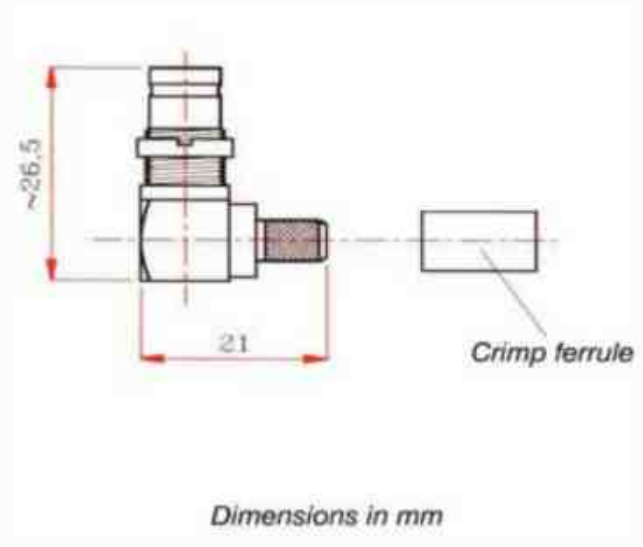


Fig.15 P/N 611449TP



P/N 611464TP Fig.16

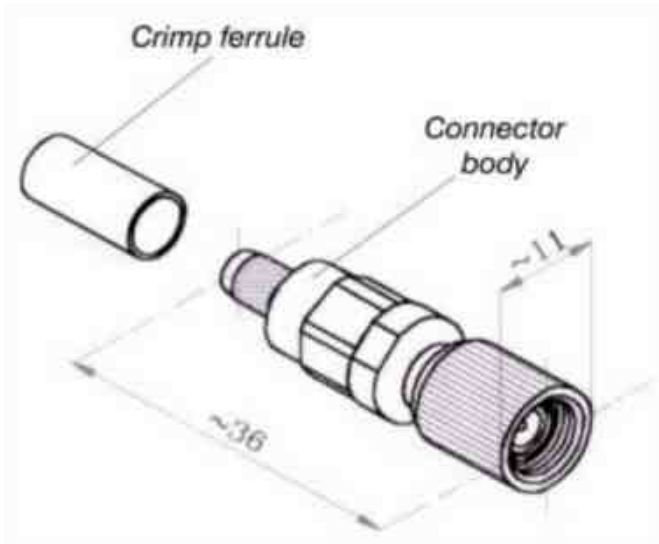
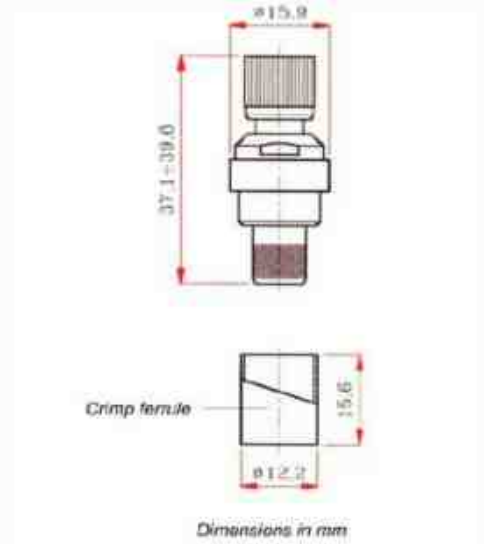


Fig.17 P/N 612064TPDS



P/N 612011TP Fig.18

DRAWINGS 1.6/5.6

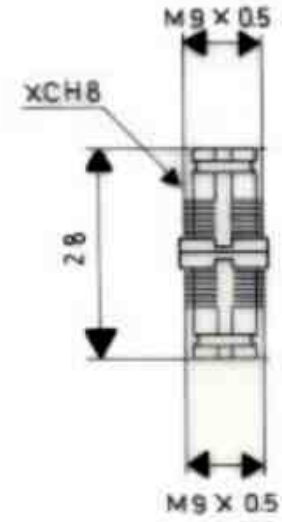
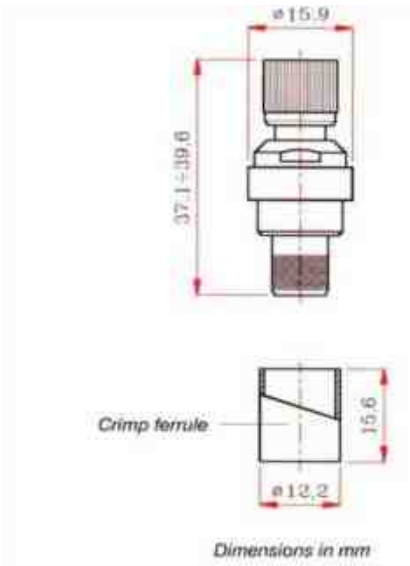


Fig.19 P/N 6113611



P/N 612011TPDS Fig.20

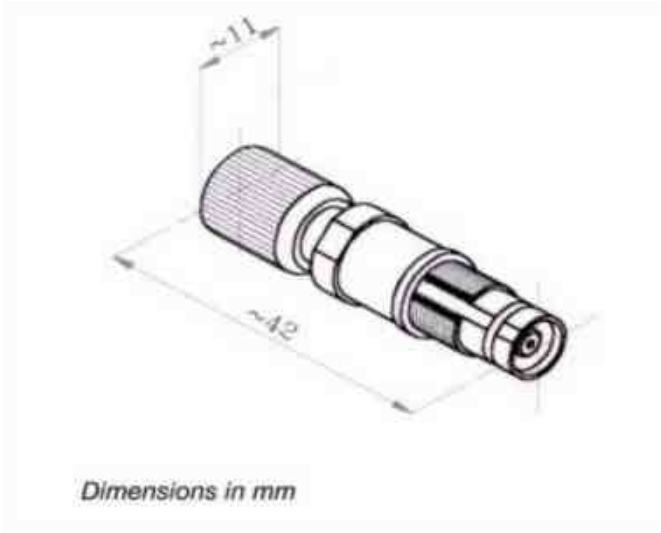


Fig.21 P/N 6123611

P/N 6123612 Fig.22

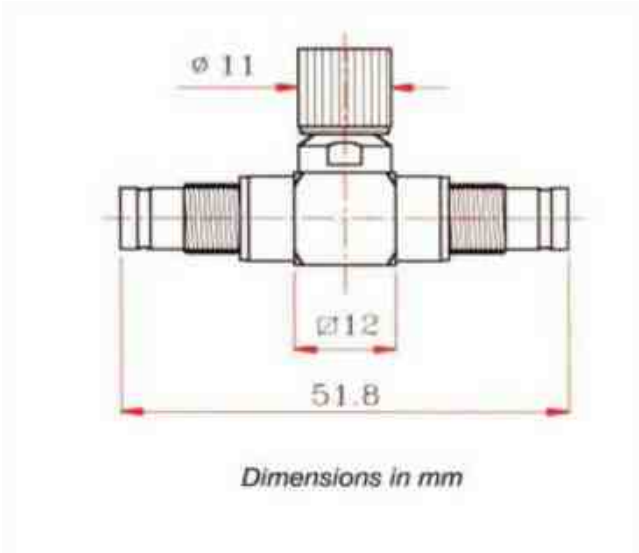
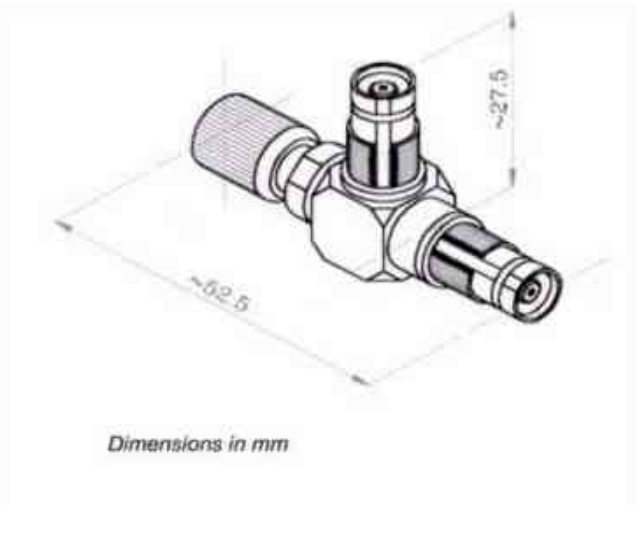


Fig.23 P/N 61090121



P/N DS61090112 Fig.24

DRAWINGS 1.6/5.6

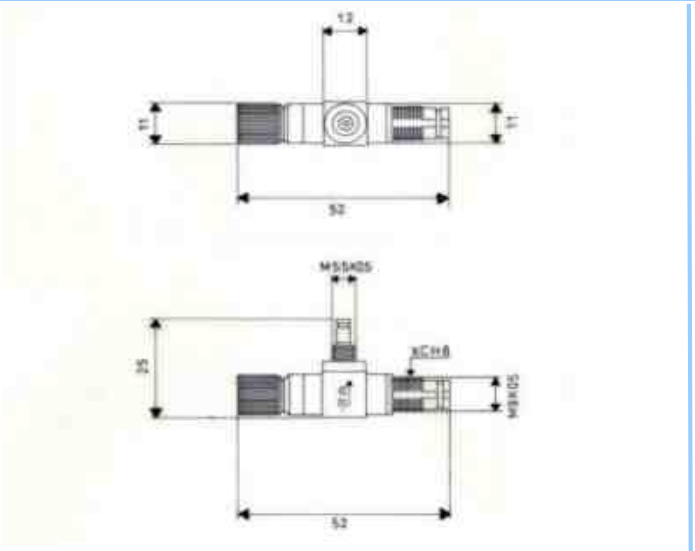
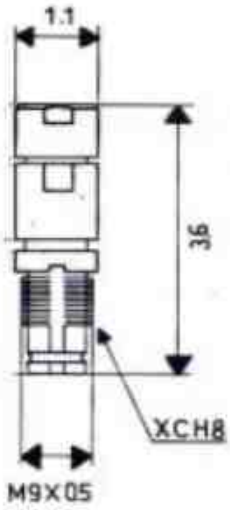


Fig.25 P/N DS6109012421



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 Ω

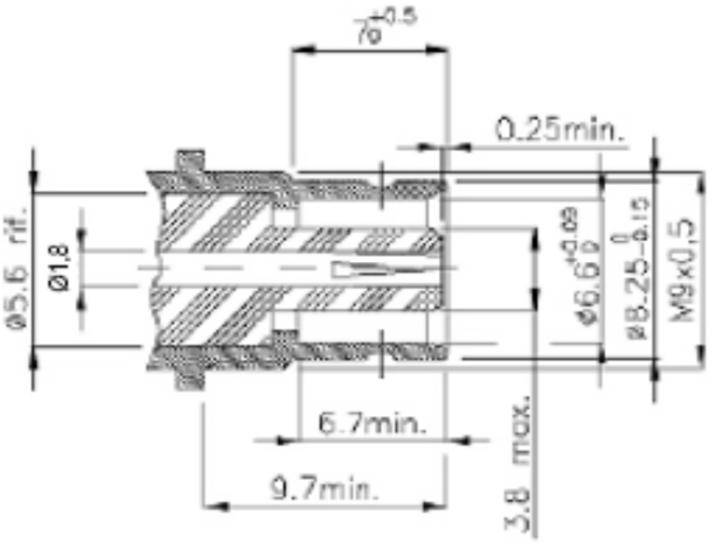
TECHNICAL INFORMATIONS 1.8/5.6

		notes
Frequency range	DC ÷ 3 GHz	
Impedance	50 Ω	
VSWR :	1.10 MAX	
Insulation	≥ 4 * 10^3 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	

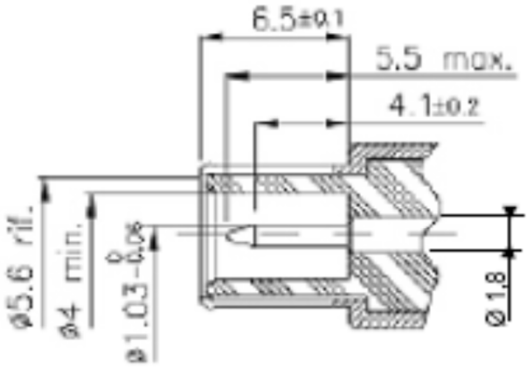
Above, are typical characteristics of 1.8/5.6 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Plug (male)



Jack (female)



FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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)

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

PCB CONNECTORS

STRAIGHT PANEL JACKS (F)

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

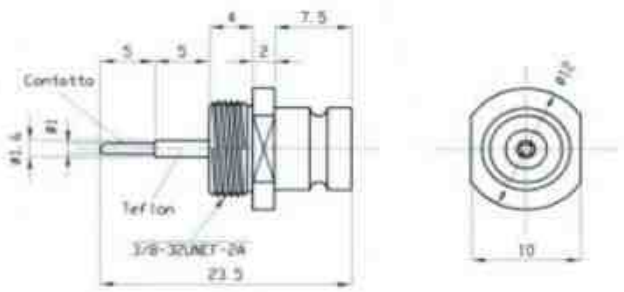
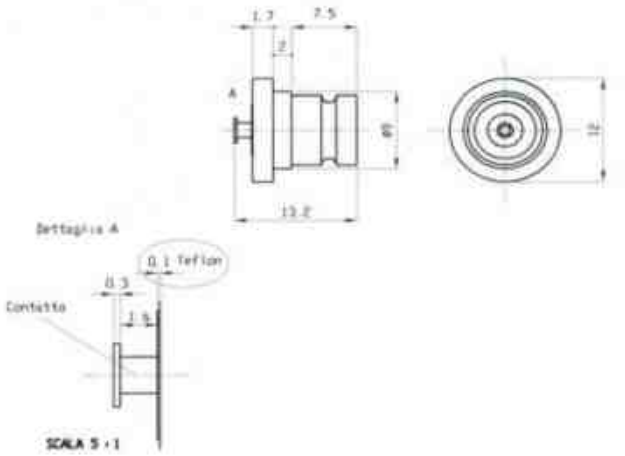


Fig.1 P/N 621700ST



P/N 621900PCST Fig.2

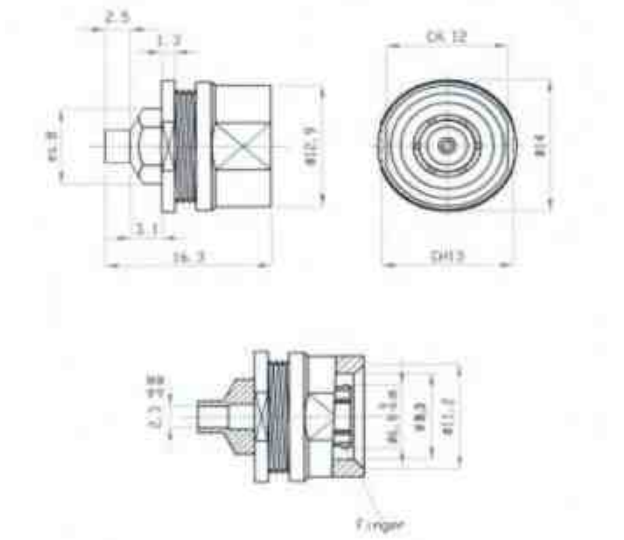
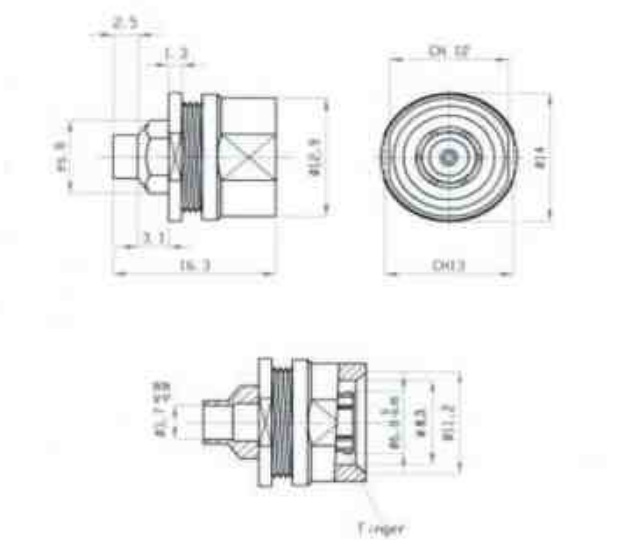


Fig.3 P/N MR622023S0



P/N MR622036S0 Fig.4

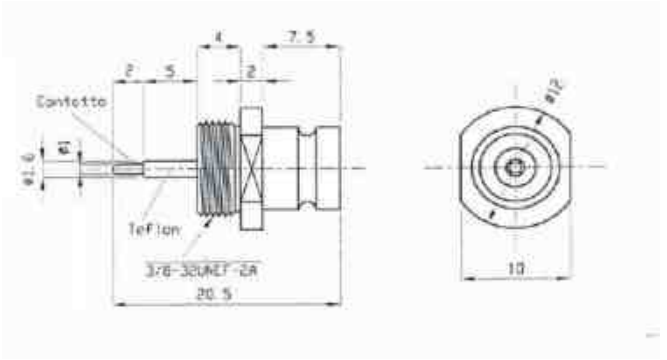


Fig.5 P/N MR621700ST

P/N Fig.6

2.5/6

COAXIAL CONNECTORS 75 Ω

NOTE: PRODUCT OBSOLESCENCE

TECHNICAL INFORMATIONS 2.5/6

		notes
Frequency range	DC ÷ 500 MHz	
Impedance	75 Ω	
VSWR :	1.20 MAX	
Insulation	≥ 5 * 10^3 MΩ	
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

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

STRAIGHT PLUGS (M) CRIMP

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

RIGHT ANGLE 90° PLUGS (M) SOLDERED

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

STRAIGHT JACKS (F) SOLDERED

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

STRAIGHT PANEL JACKS (F) SOLDERED

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

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

ADAPTERS 2.5/6 - 2.5/6

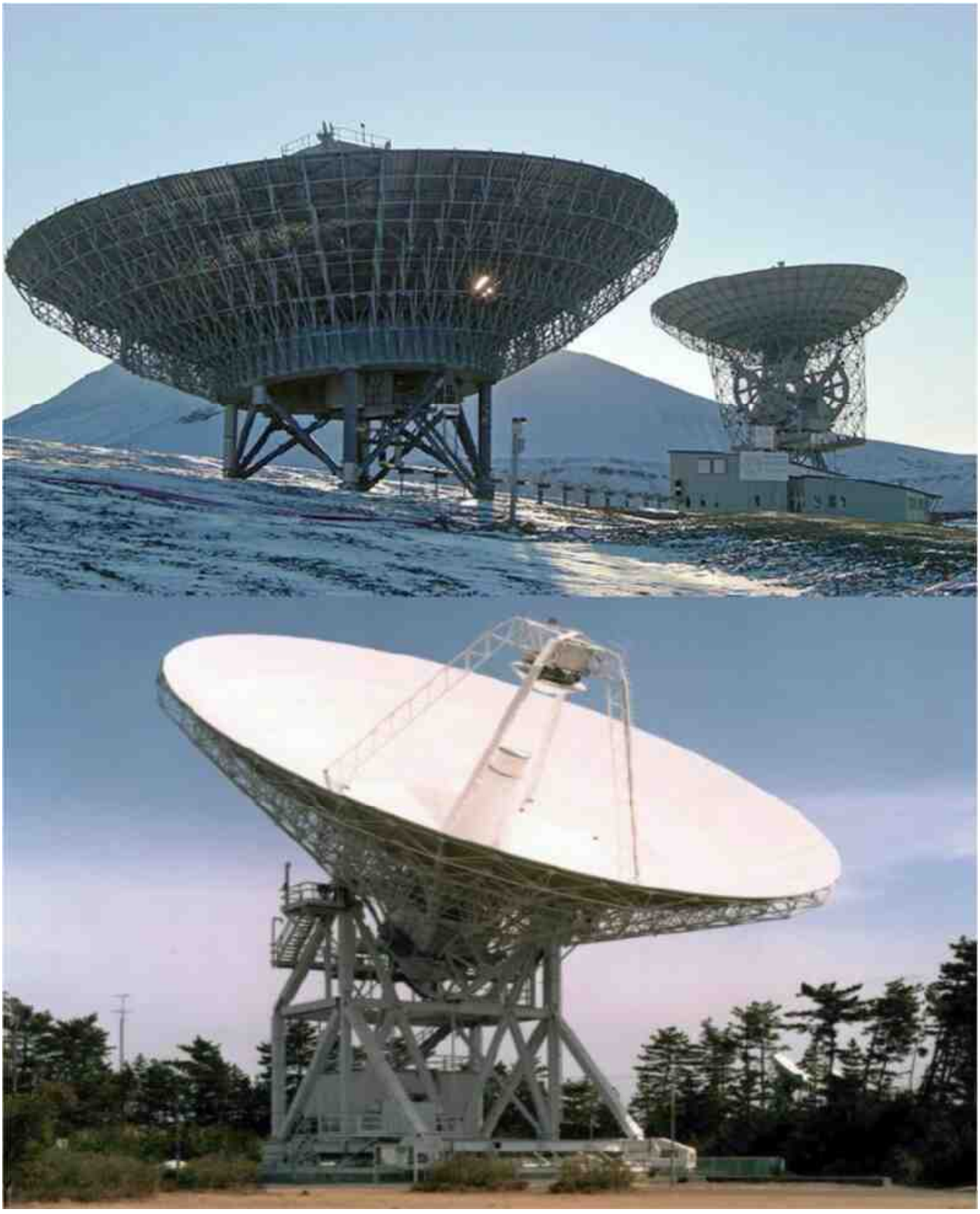
P.N. GENEX RF	Description	Notes	Fig.
6613661	2.5/6 f - 2.5/6 f		
6623662	2.5/6 m - 2.5/6 m		

For others combinations, see section " COAXIAL ADAPTERS"

4.1/9.5

COAXIAL CONNECTORS 50 Ω

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



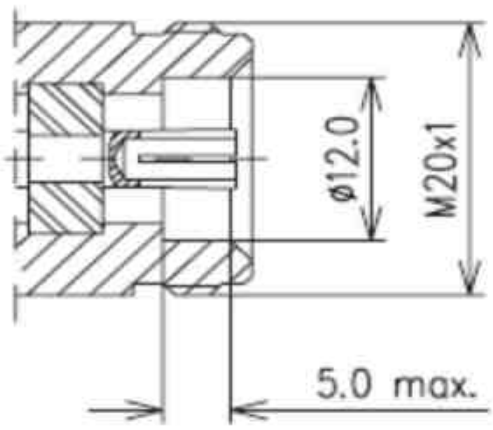
TECHNICAL INFORMATIONS 4.1/9.5

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

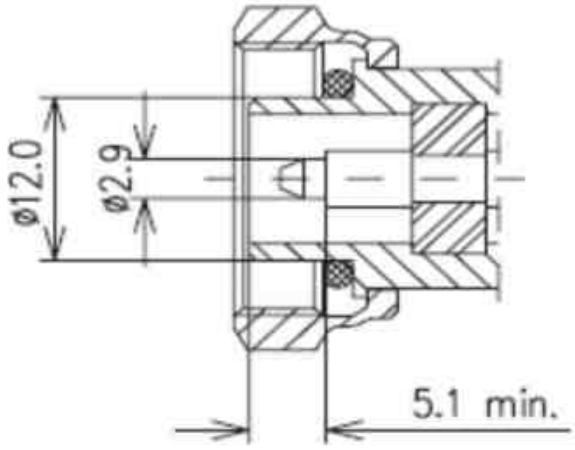
Above, are typical characteristics of 4.1/9.5 connectors, but not suitable for all configurations. On request, detailed data sheet for all P/N

INTERFACE

Jack (female)



Plug (male)



FLEXIBLE CABLE CONNECTORS

STRAIGHT PLUGS (M) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

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

CORRUGATED CABLE CONNECTORS

STRAIGHT PLUGS (M)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

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

RECEPTACLES WITH SOLDER END

STRAIGHT PANEL JACKS (F)

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

ADAPTERS 4.1/9.5 - 4.1/9.5

P.N. GENEX RF	Description	Notes	Fig.
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

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

PROTECTIVE CAPS

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

DRAWINGS 4.1/9.5

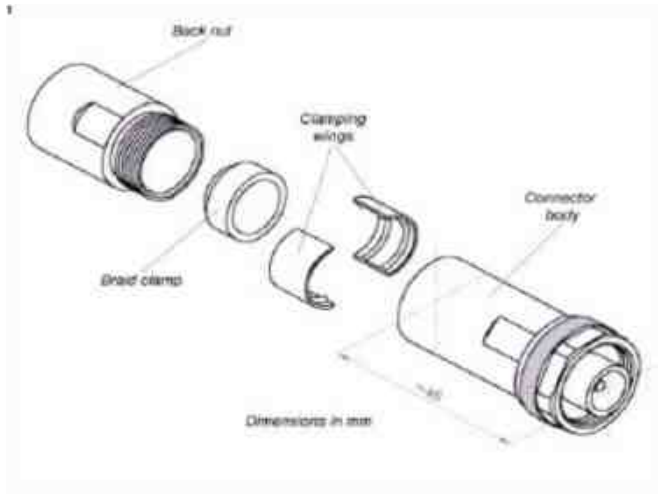


Fig.1 P/N 682012

P/N 682411 Fig.2

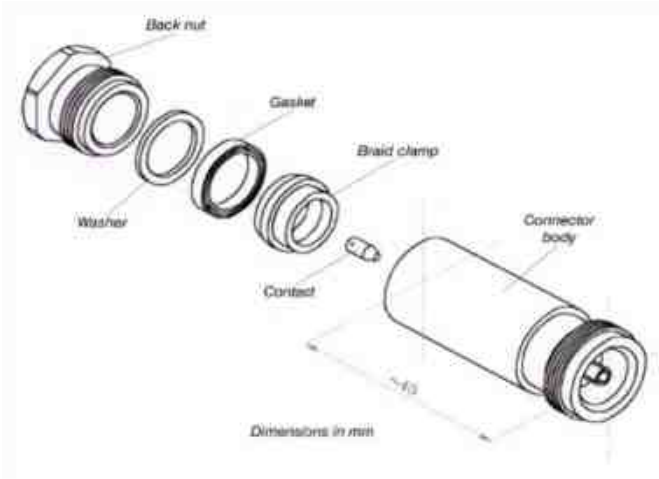
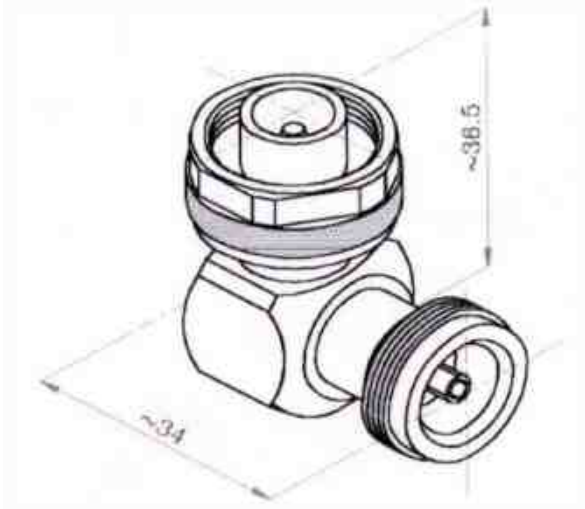


Fig.3 P/N 681011



P/N 6824681 Fig.4

Fig.5 P/N

P/N Fig.6

4.6/16

COAXIAL CONNECTORS 75 Ω

TECHNICAL INFORMATIONS 4.6/16

		notes
Frequency range	DC ÷500 MHz	
Impedance	75 Ω	
VSWR :	1.10 MAX	
Insulation	≥ 10 * 10^3 MΩ	
Contact resistance	centre ≤0.4 mΩ	
	outer ≤1.5 mΩ	
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

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

STRAIGHT JACKS (F) SOLDERED

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

RIGHT ANGLE 90° JACKS (F) SOLDERED

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

STRAIGHT PANEL JACKS (F)

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

CORRUGATED CABLE CONNECTORS

STRAIGHT PLUGS (M)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

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

ADAPTERS 4.6/16 - 4.6/16

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

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

PROTECTIVE CAPS

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

DIN 7/16

COAXIAL CONNECTORS 50 Ω

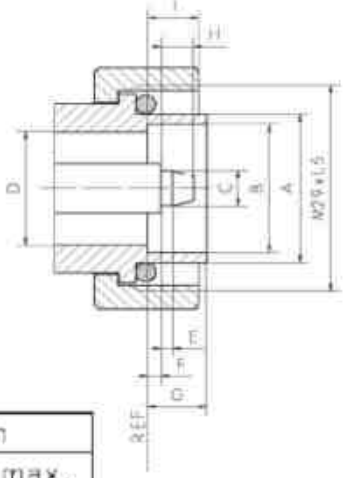
TECHNICAL INFORMATIONS DIN 7/16

		notes
Frequency range	DC÷7 GHz	
Impedance	50 Ω	
VSWR :	1.25 MAX	
Insulation	≥ 1 * 10^4 MΩ	
Contact resistance	centre ≤ 0.4 mΩ	
	outer ≤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

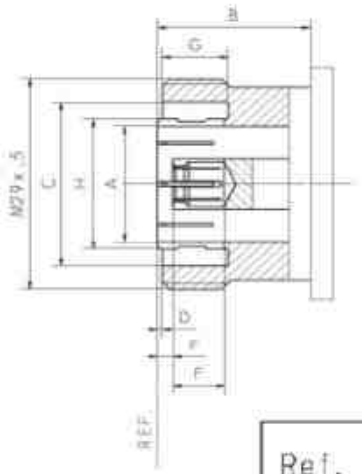
INTERFACE

Plug (male)



Ref.	mm	
	min.	max.
A	20.6	21.4
B	18.03	18.21
C	4.96	5.04
D	15.85	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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT JACKS (F) SOLDERED

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT PANEL JACKS (F) SOLDERED

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

STRAIGHT PANEL JACKS (F) CRIMP

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

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

PROTECTIVE CAPS

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

CORRUGATED CABLE 7/16 FLANGES

STRAIGHT FLANGE

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

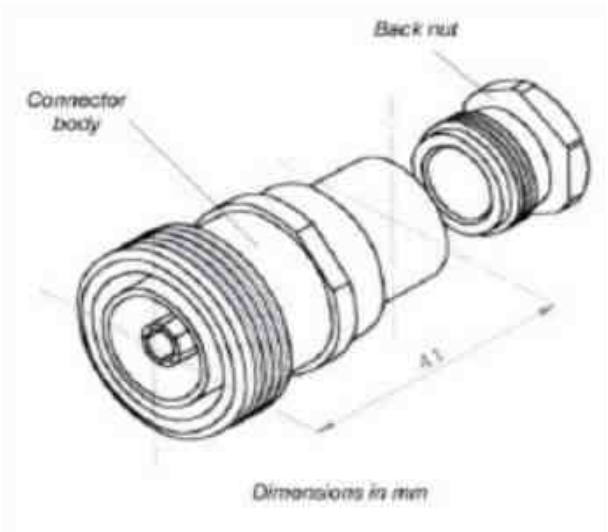
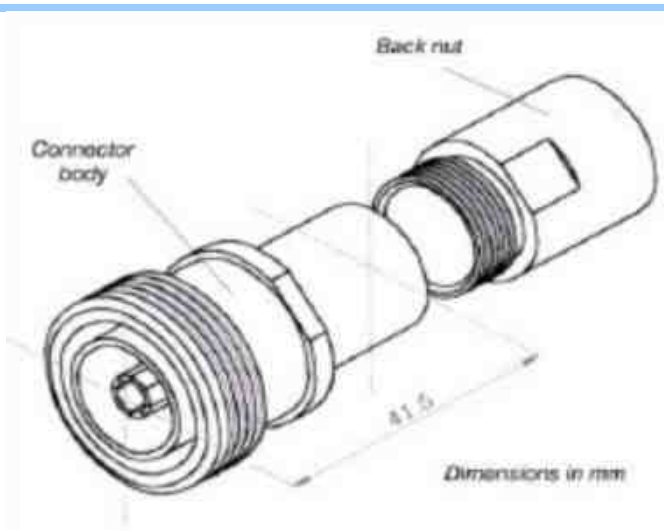


Fig.1 P/N 701011



P/N 701012 Fig.2

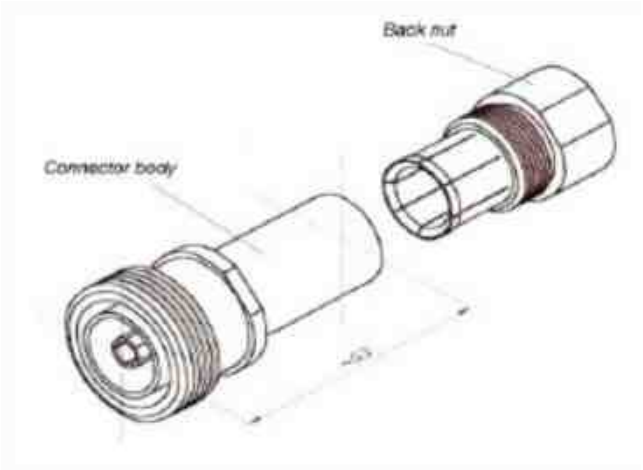
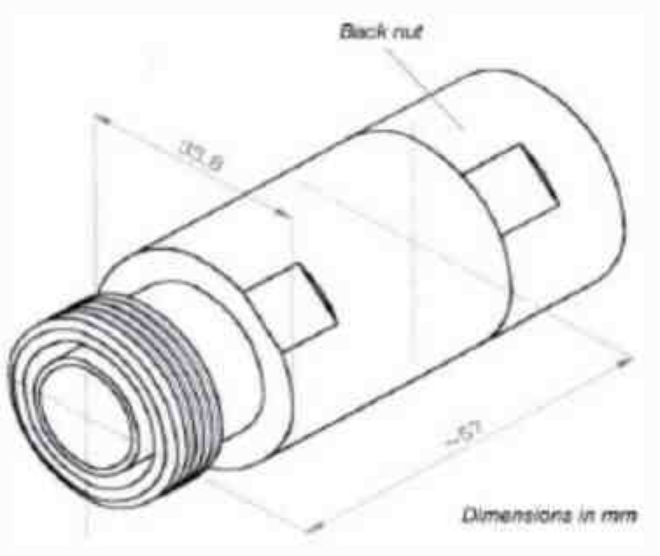


Fig.3 P/N 701012RP



P/N 701078 Fig.4

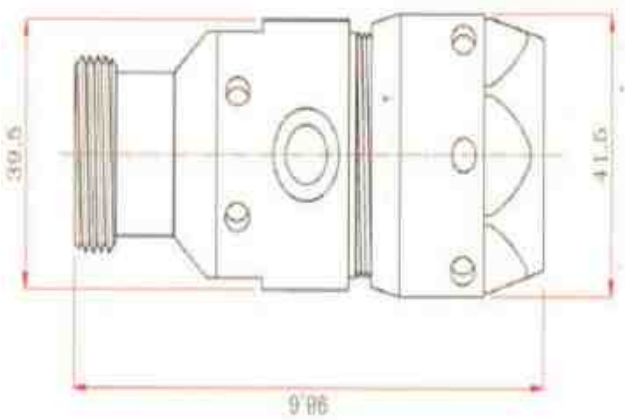
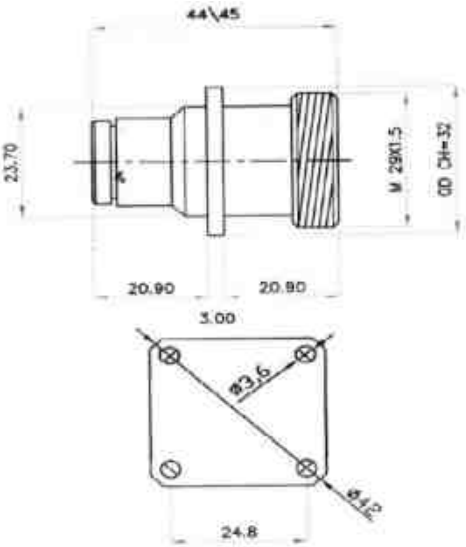


Fig.5 P/N 701078A



P/N 701611 Fig.6

DRAWINGS 7/16

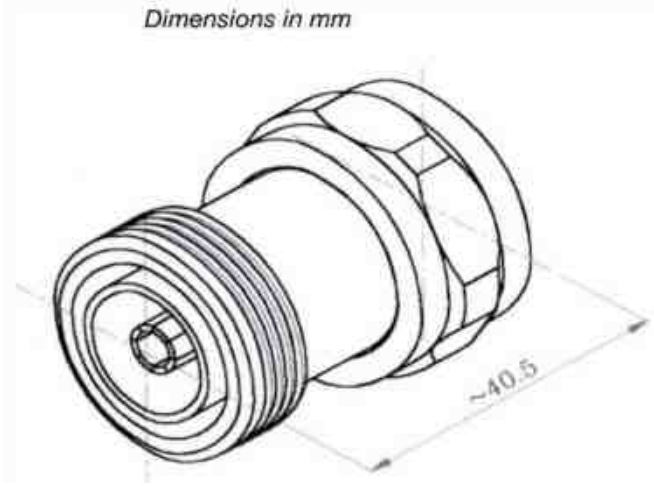
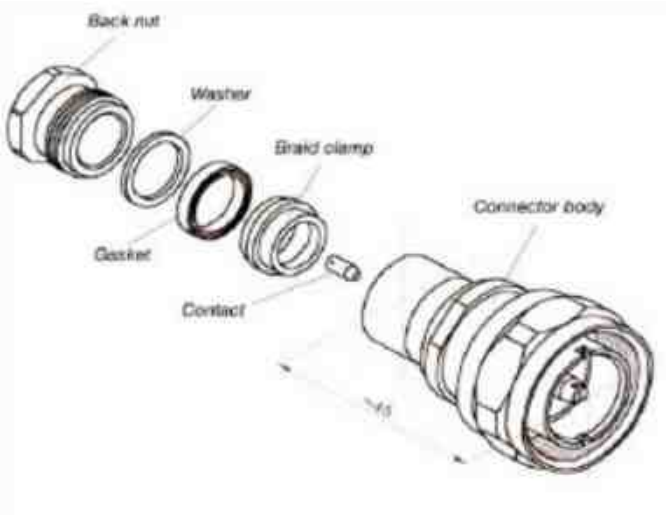


Fig.7

P/N 7023701



P/N 702011

Fig.8

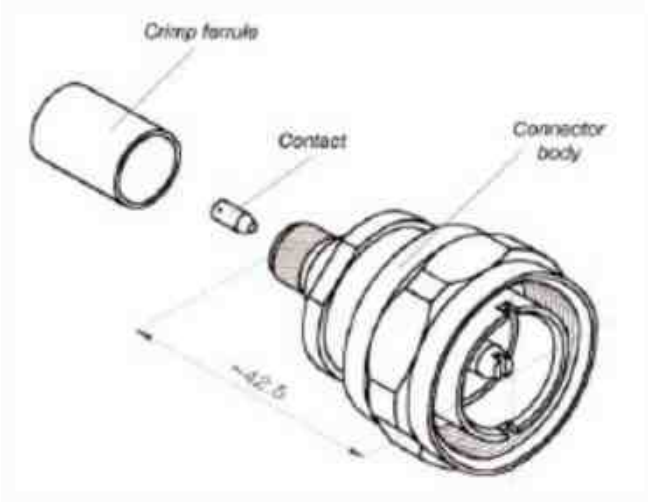
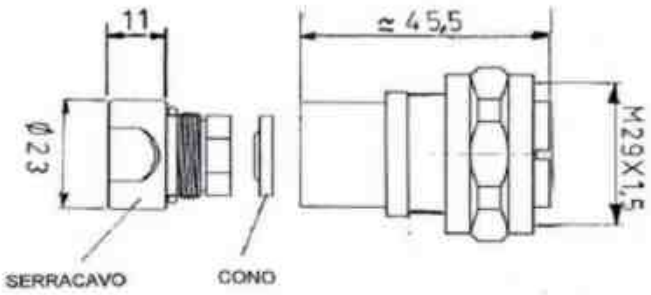


Fig.9

P/N 702011TP



P/N 702012H

Fig.10

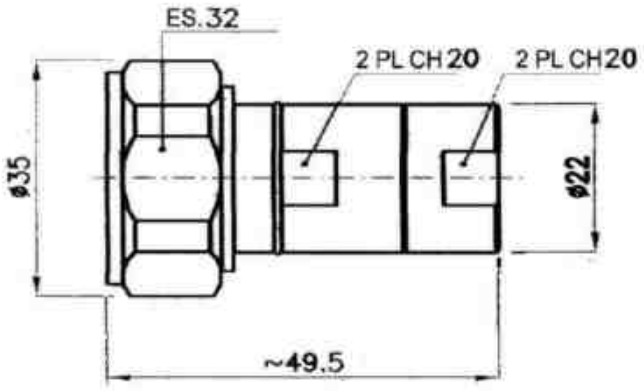
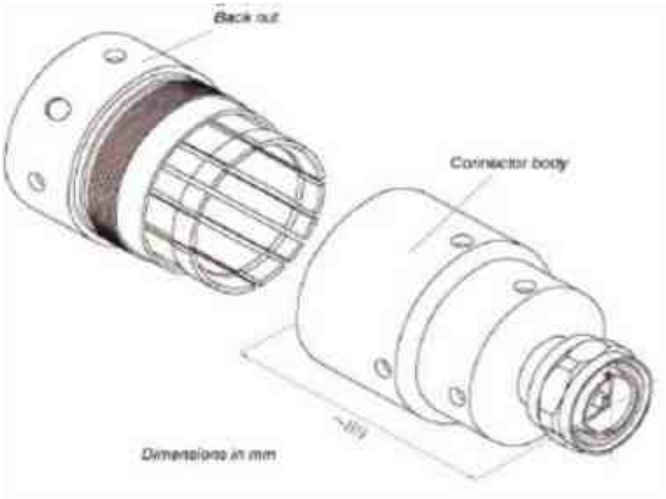


Fig.11

P/N 702012RP



P/N 702015RP

Fig.12

DRAWINGS 7/16

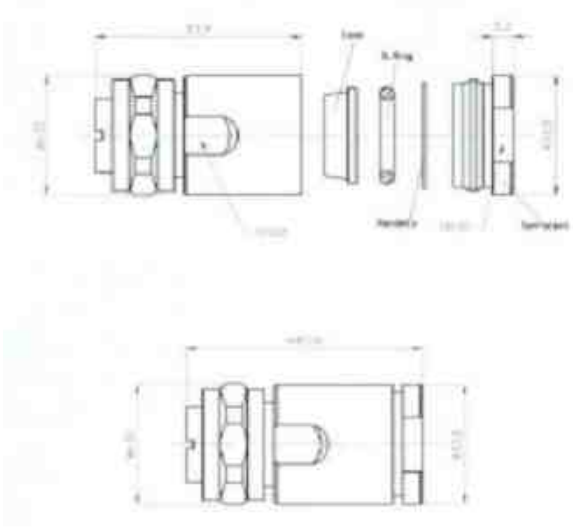
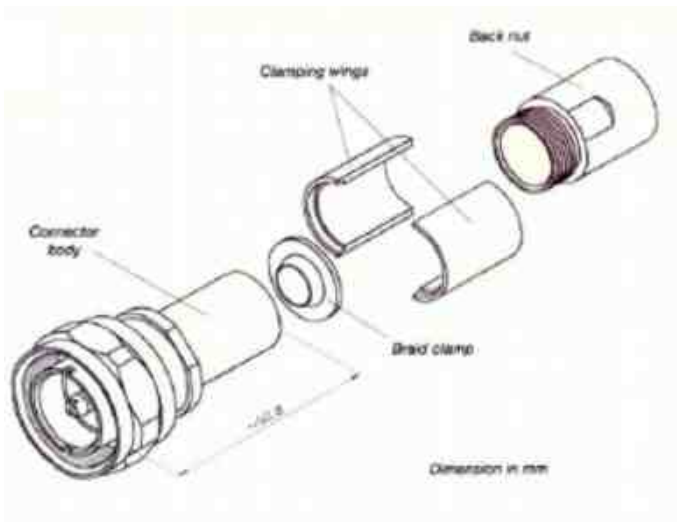


Fig.13 P/N 702022



P/N 702038 Fig.14

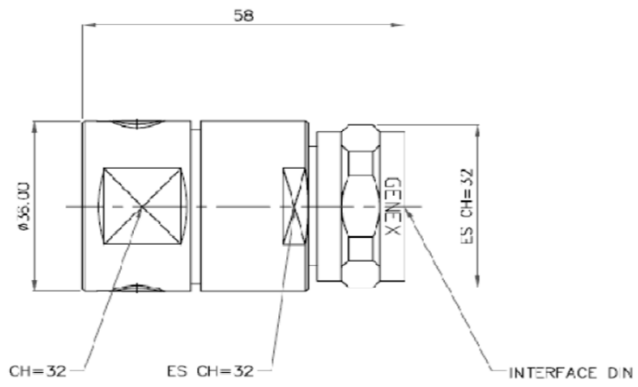
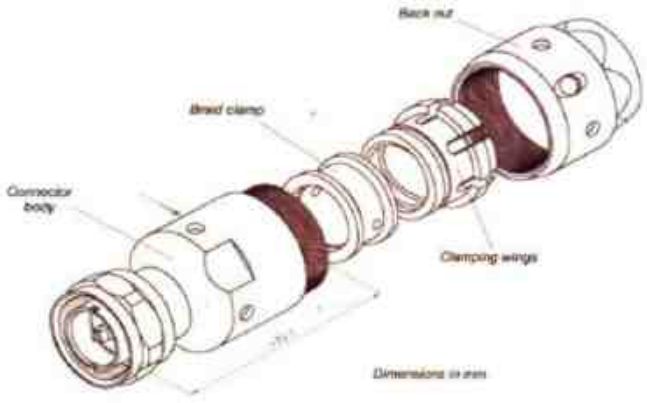


Fig.15 P/N 702078RP



P/N 702078A Fig.16

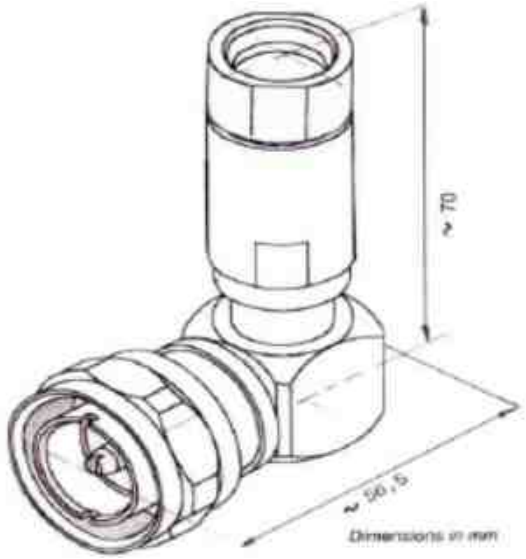
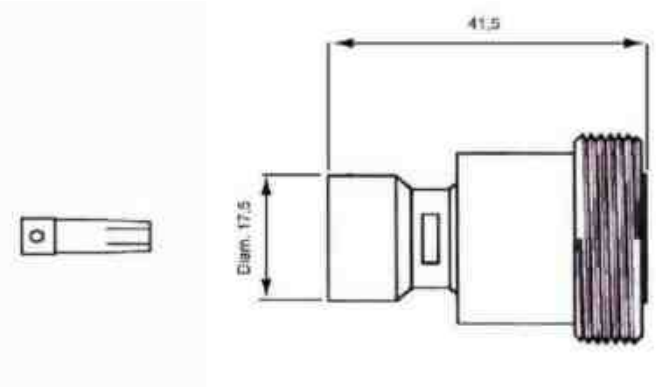


Fig.17 P/N 702412H



P/N 701012HS Fig.18

DRAWINGS 7/16

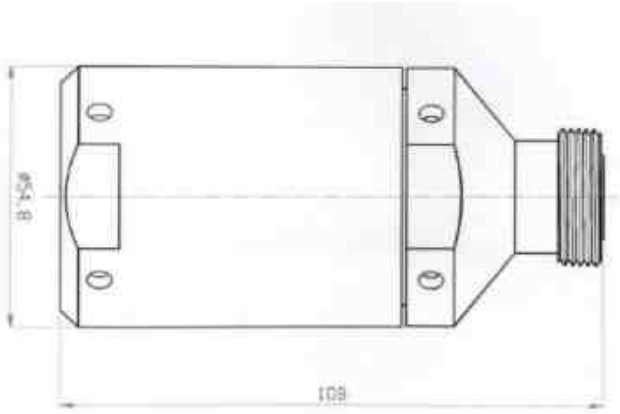
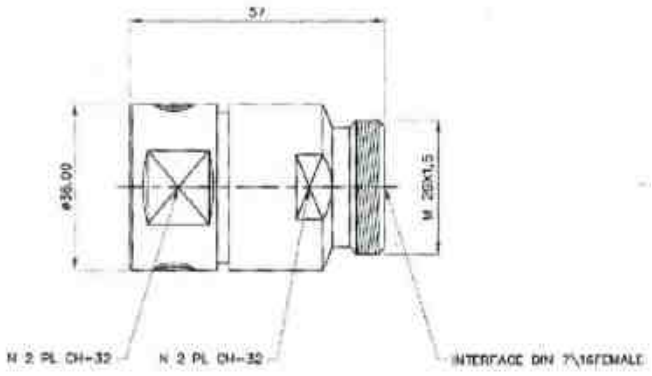


Fig.19 P/N 701024R



P/N 701078RP Fig.20

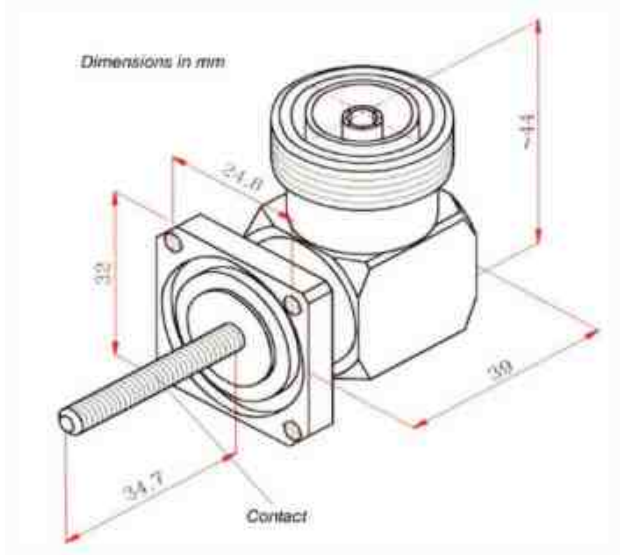
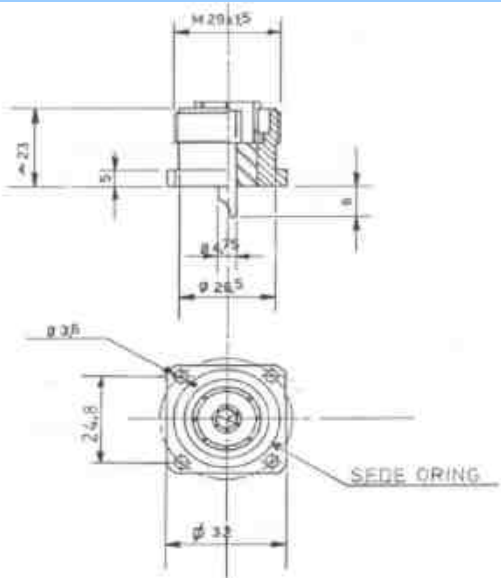


Fig.21 P/N 701432CF



P/N 701532 Fig.22

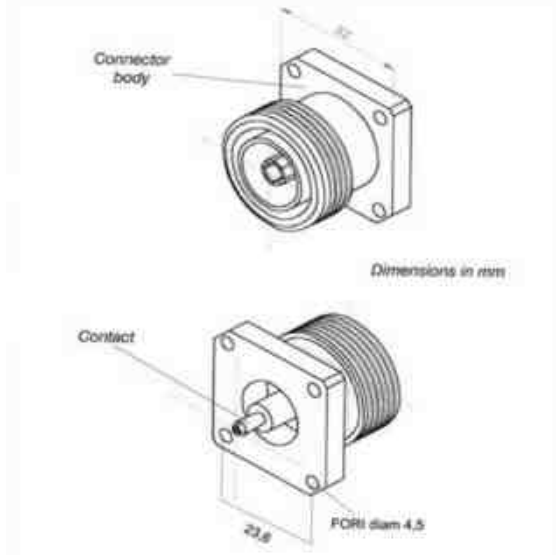
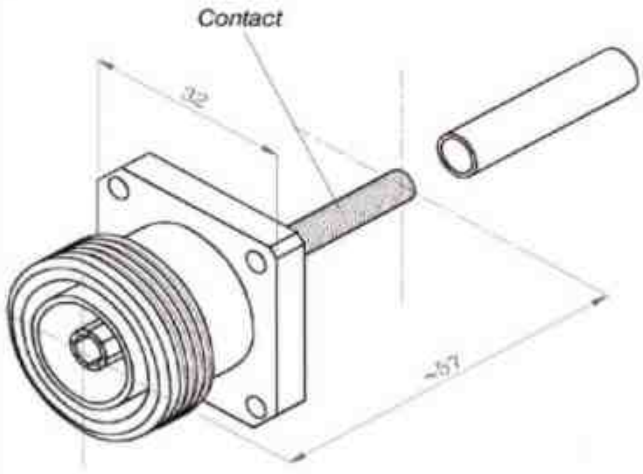


Fig.23 P/N 701532BD



P/N 701532CF Fig.24

DRAWINGS 7/16

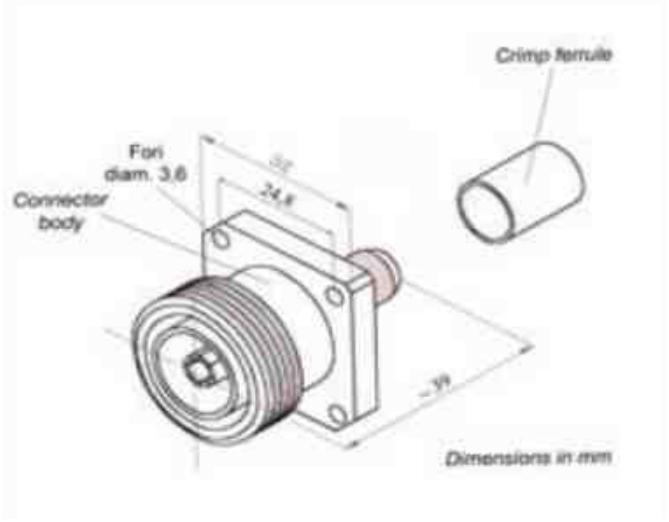
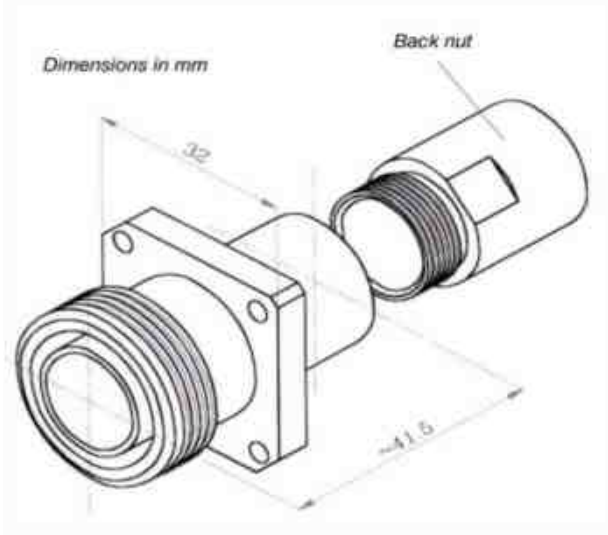


Fig.25 P/N 701611TP



P/N 701612 Fig.26

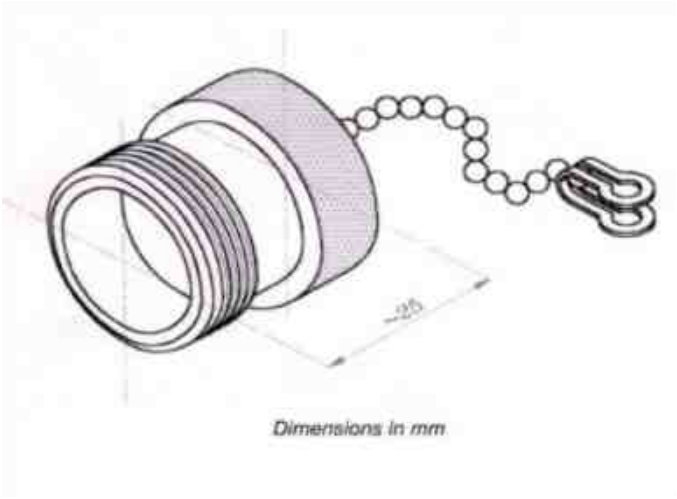
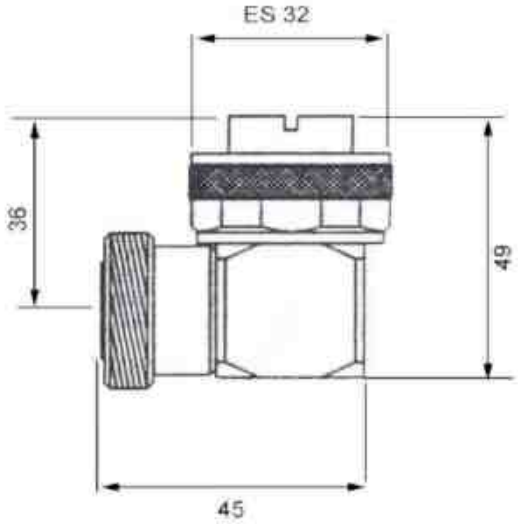


Fig.27 P/N T7010



P/N 7024701 Fig.28

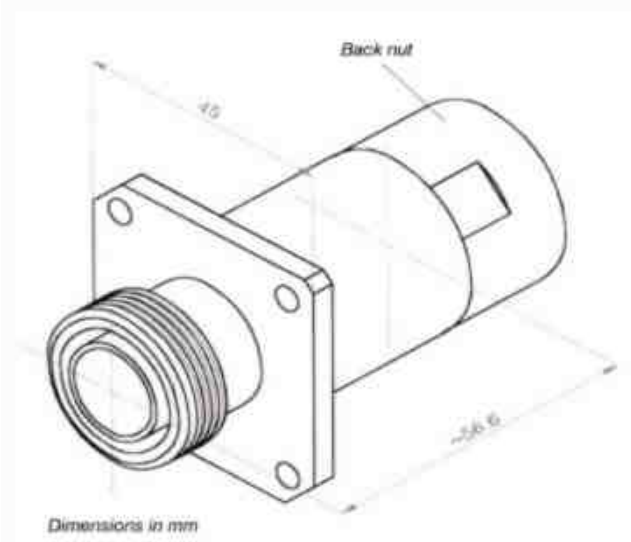
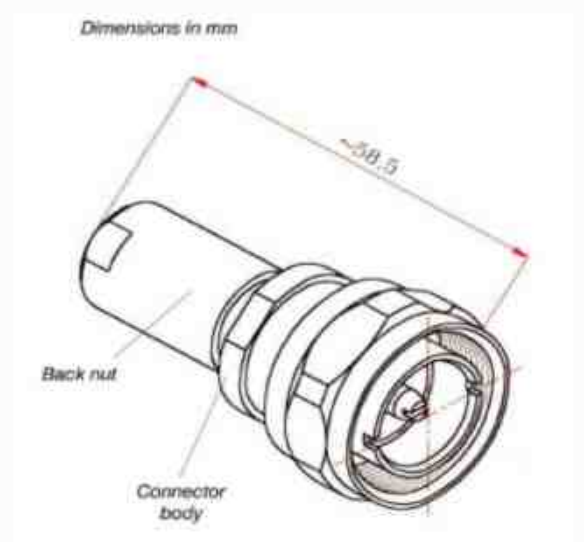


Fig.29 P/N 701678



P/N 702014 Fig.30

DRAWINGS 7/16

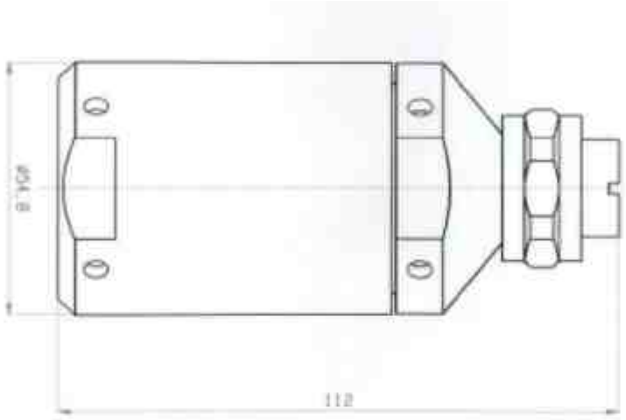
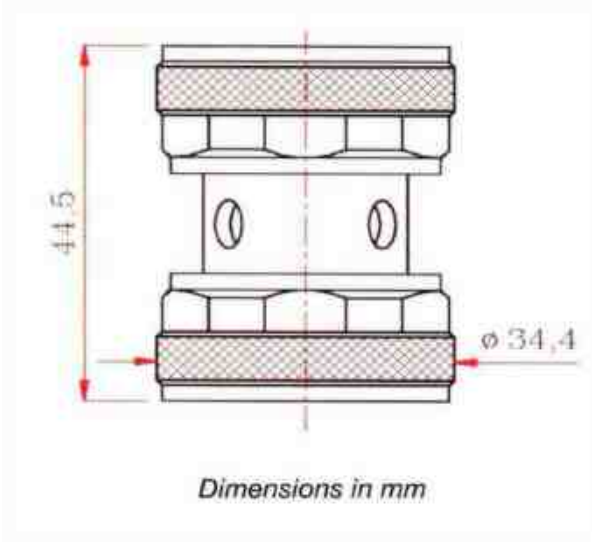


Fig.31 P/N 702024R



P/N 7023702 Fig.32

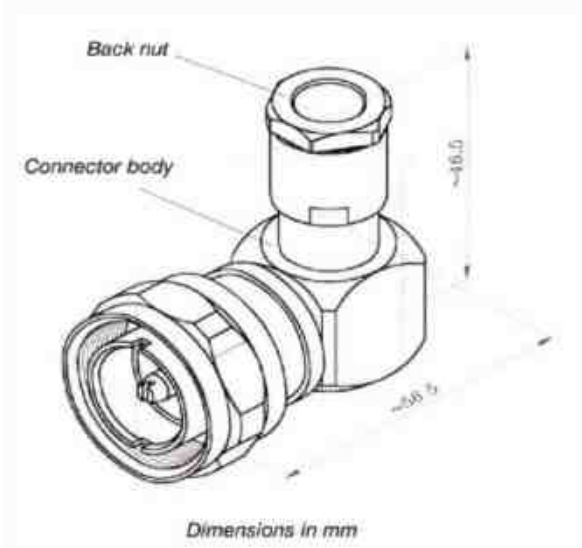
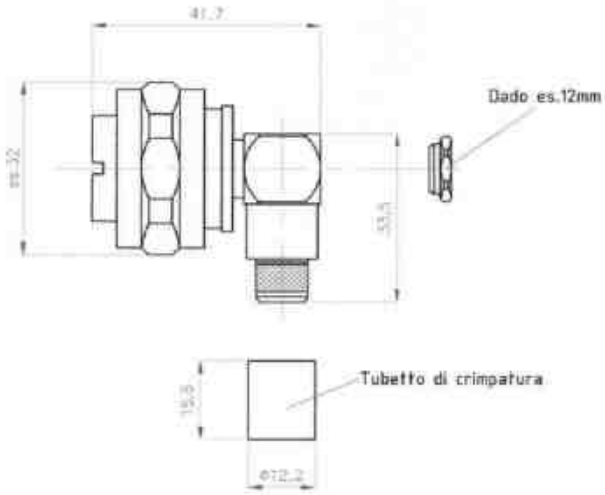


Fig.33 P/N 702411



P/N 702411TP Fig.34

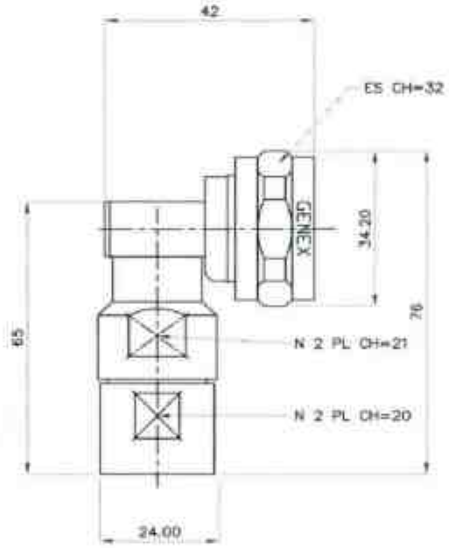
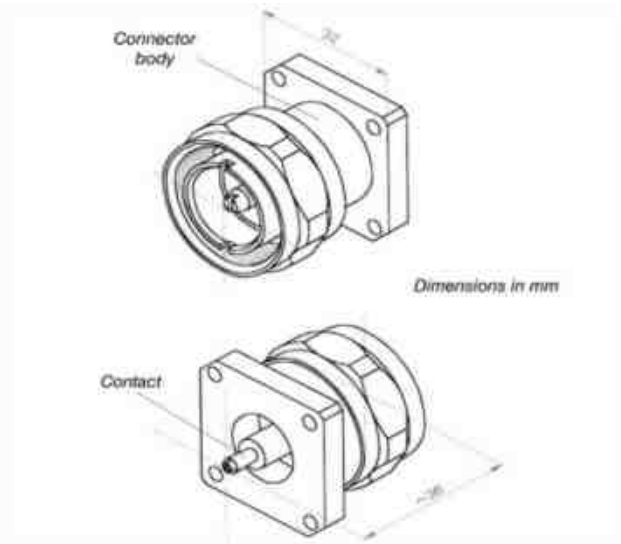


Fig.35 P/N 702412RP



P/N 702532BD Fig.36

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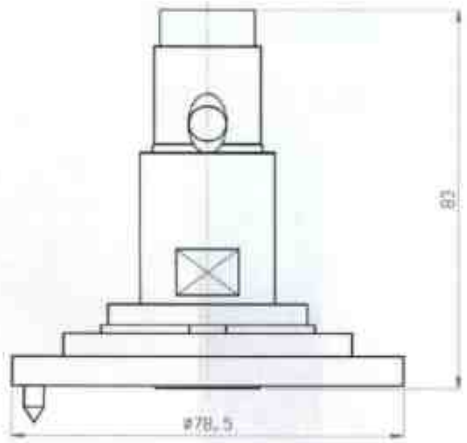
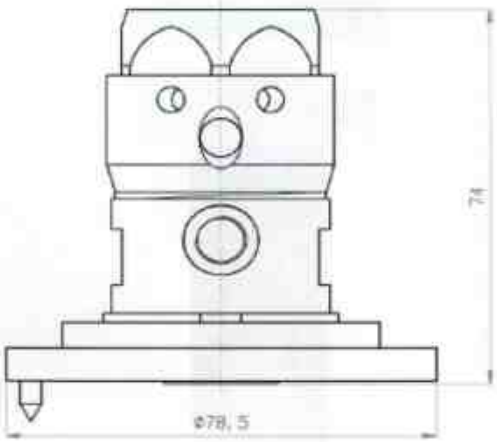


Fig.37 P/N 740038



P/N 740078A Fig.38

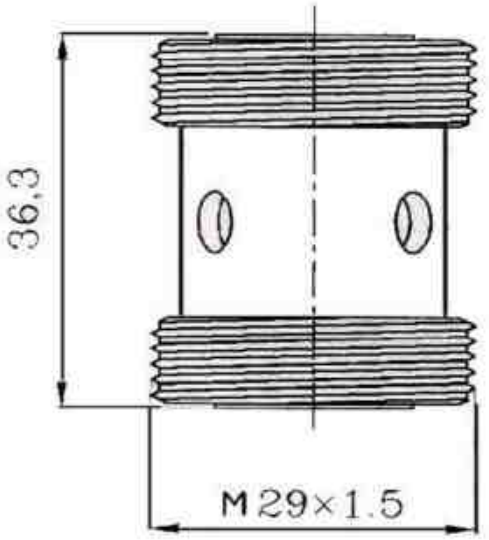
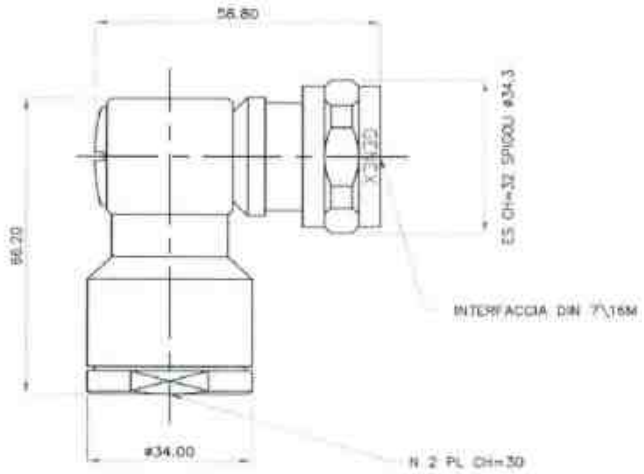


Fig.39 P/N 7013701



P/N 702422 Fig.40

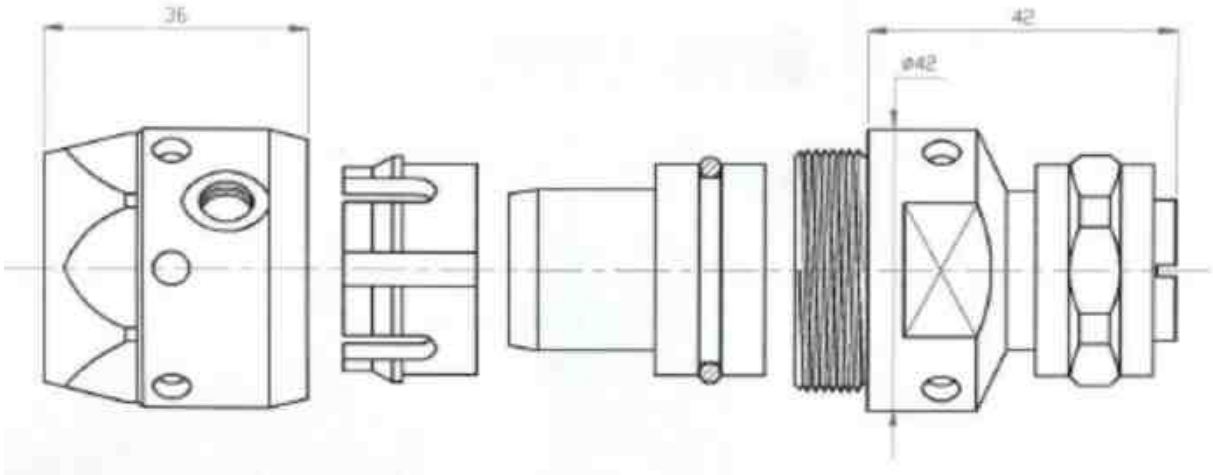


Fig.41 P/N 702078R

DRAWINGS 7/16

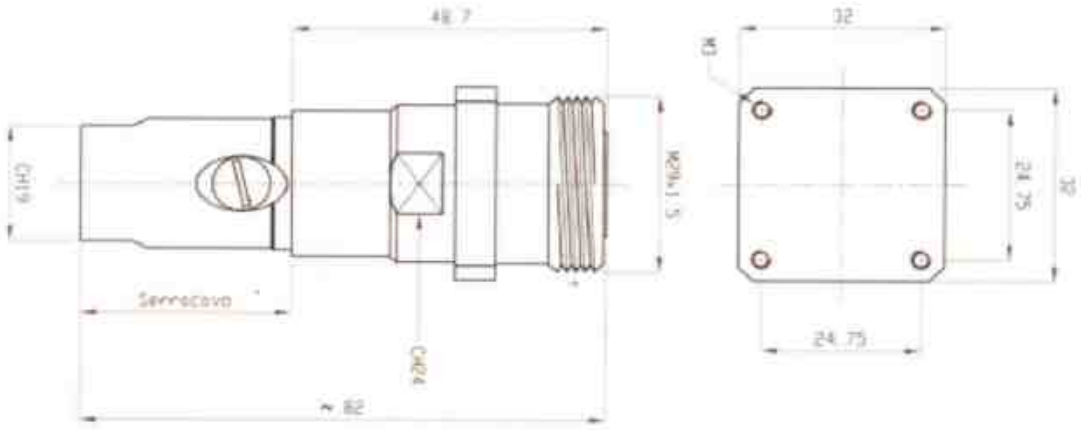


Fig.42 **P/N 701638**

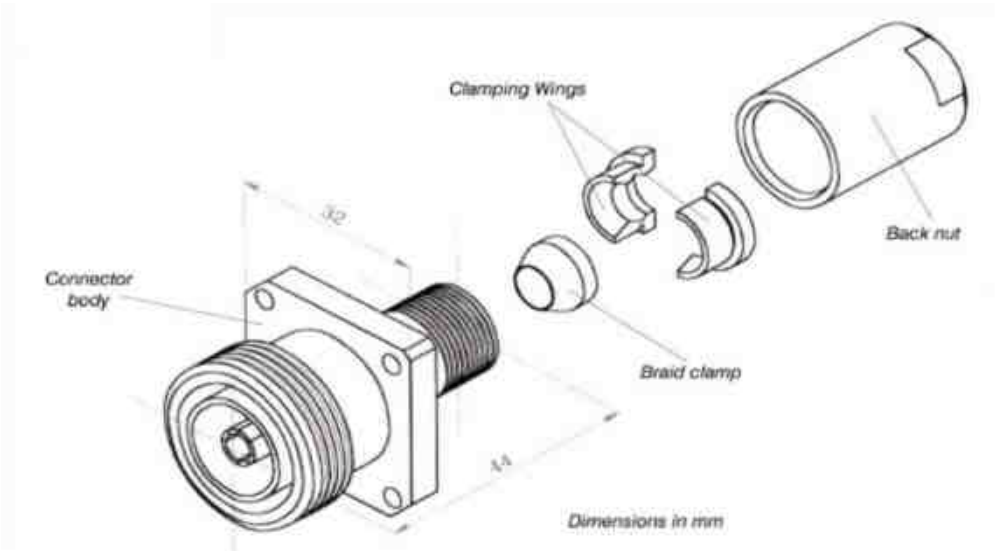


Fig.43 **P/N 701614**

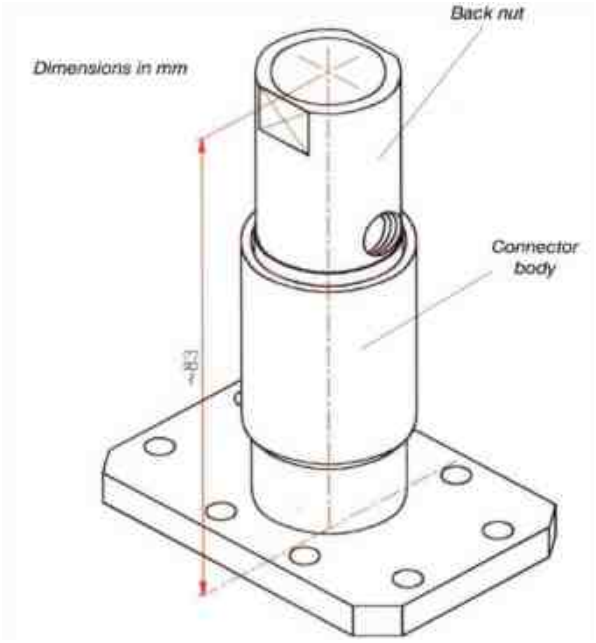


Fig.44 **P/N UER702038**

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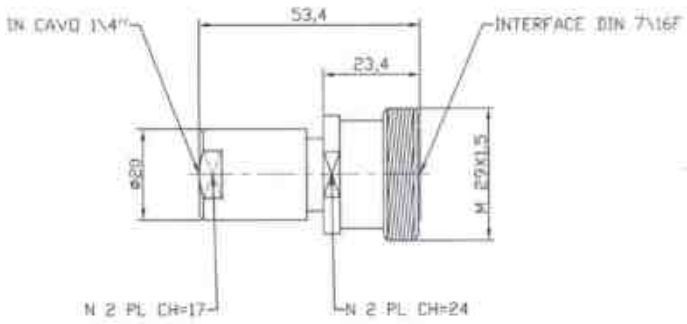
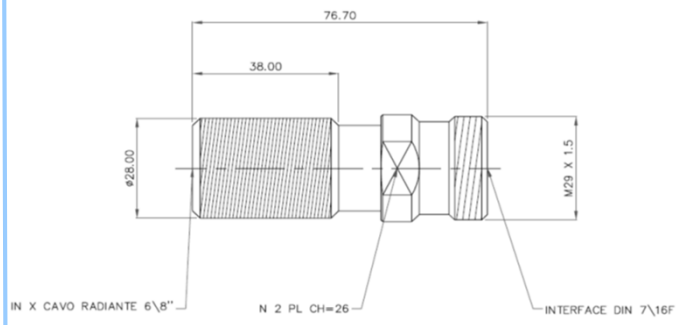


Fig.45 **P/N 701014**



P/N 701092R **Fig.46**

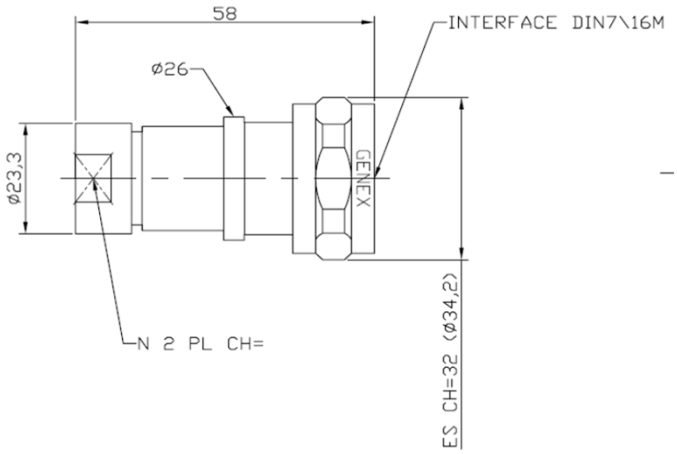
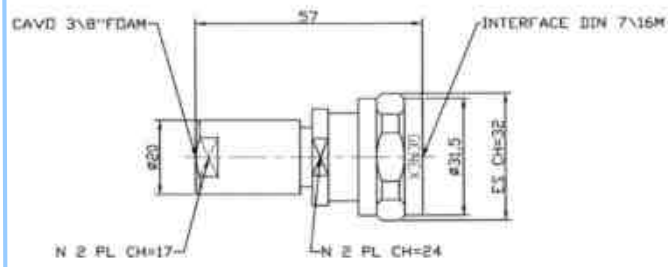


Fig.47 **P/N 702012HFX**



P/N 702013 **Fig.48**

Fig.49 **P/N**

P/N **Fig.50**

13/30

COAXIAL CONNECTORS 50 Ω

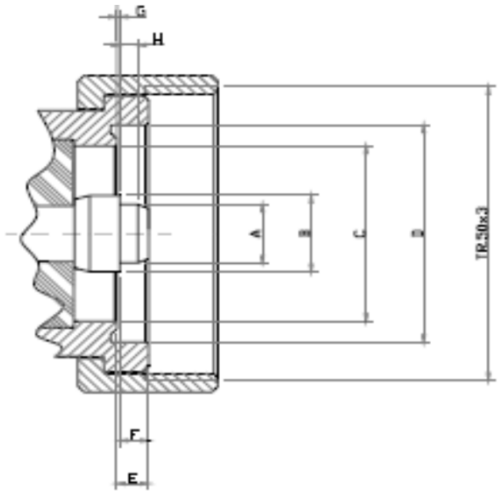
TECHNICAL INFORMATIONS 13/30

		notes
Frequency range	DC ÷2 GHz	
Impedance	50 Ω	
Insulation	≥ 1 * 10^4 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

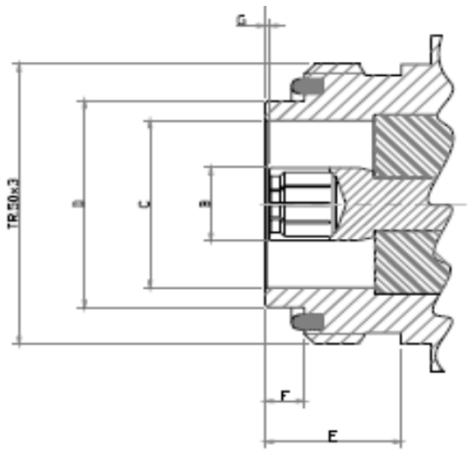
INTERFACE 13/30M50

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

P.N. GENEX RF	Description	Notes	Fig.
711078	13/30 female contact for 7/8” foam		

FEMALE BODY - MALE CONTACT

P.N. GENEX RF	Description	Notes	Fig.
712078	13/30 male contact for 7/8” foam		

ADAPTERS 13/30 SIEMENS

P.N. GENEX RF	Description	Notes	Fig.
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)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
722078	13/30 m for 7/8” foam		

STRAIGHT JACKS (F)

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
721078	13/30 f for 7/8” foam		

ADAPTERS 13/30 M50

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
722378	13/30 m - 7/8”		

For others combinations, see section " COAXIAL ADAPTERS"

25/58

COAXIAL CONNECTORS 50 Ω

TECHNICAL INFORMATIONS 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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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 Ω

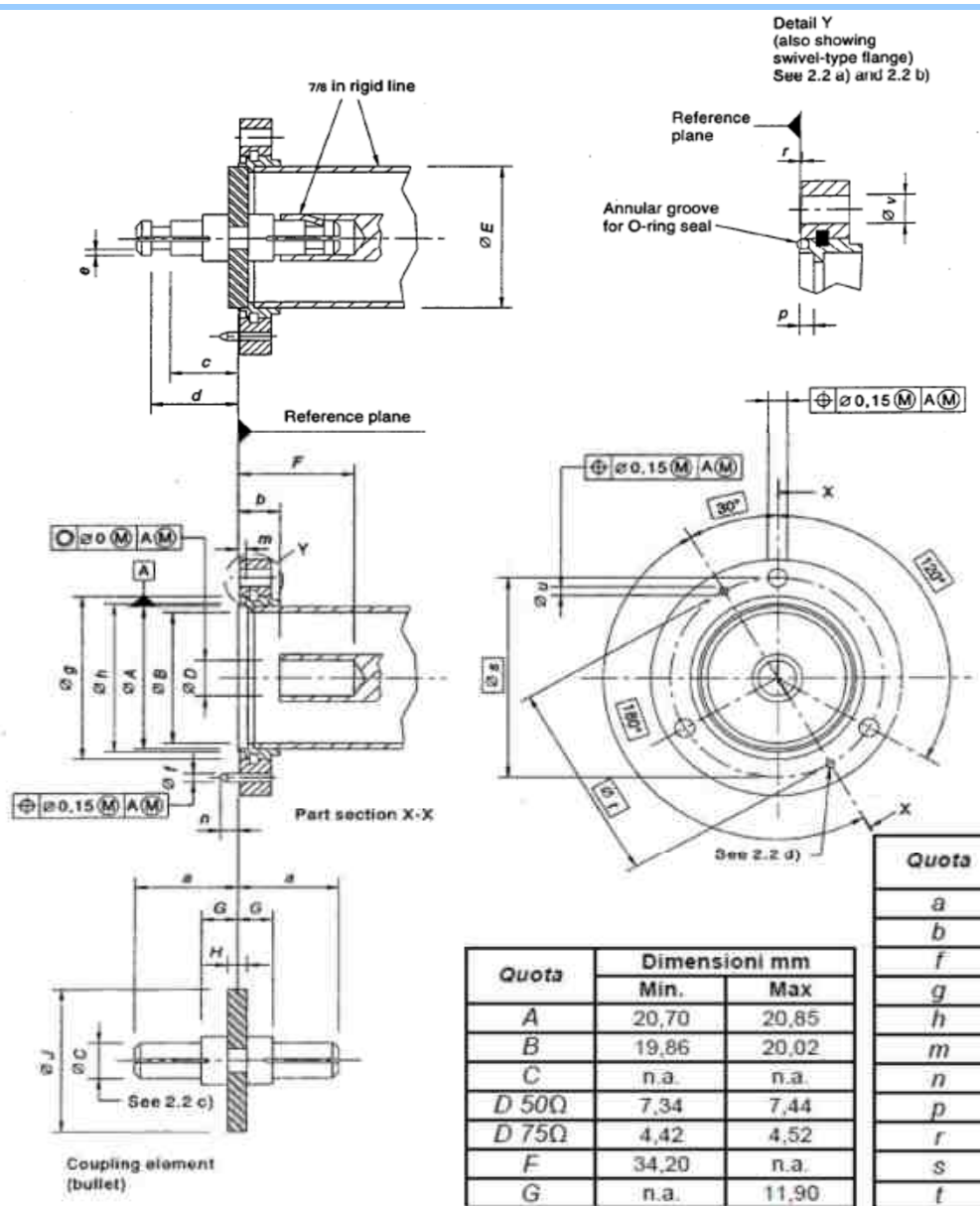
Every time a custom component is designed, its realization is framed in a perspective of serial production.

TECHNICAL INFORMATIONS EIA 7/8"

		notes
Frequency range	DC ÷ 5 GHz	
Impedance	50 Ω	
VSWR :	1.20 MAX	
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤0.25 mΩ	
	outer ≤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



Quota	Dimensioni mm	
	Min.	Max
A	20,70	20,85
B	19,86	20,02
C	n.a.	n.a.
D 50Ω	7,34	7,44
D 75Ω	4,42	4,52
F	34,20	n.a.
G	n.a.	11,90
H	4,60	4,70
J	20,50	20,60

Quota	Dimensioni mm	
	Min.	Max
a	n.a.	34,15
b	11,90	12,70
f	3,08	3,10
g	34,20	34,40
h	26,00	26,20
m	2,35	2,50
n	n.a.	4,50
p	1,20	1,35
r	0,20	0,60
s	44,450	n.a.
t	46,020	n.a.
u	3,30	3,40
v	6,95	7,25

FLEXIBLE CABLE FLANGES

STRAIGHT FLANGE

P.N. GENEX RF	Description	Notes	Fig.
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

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

RIGID LINE FLANGES

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

CORRUGATED CABLE FLANGES

STRAIGHT FLANGE

P.N. GENEX RF	Description	Notes	Fig.
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

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

STRAIGHT PANEL FLANGE

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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"

P.N. GENEX RF	Description	Notes	Fig.
780478	EIA 7/8” L 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

P.N. GENEX RF	Description	Notes	Fig.
CC7800	Short EIA 7/8”		

INNER

P.N. GENEX RF	Description	Notes	Fig.
78000I	EIA 7/8” inner		16
78000IL	EIA 7/8” inner	L = 67,3 mm	

GAS BARRIER

P.N. GENEX RF	Description	Notes	Fig.
780378GB	Gas barrier EIA 7/8”		

DRAWINGS 7/8"

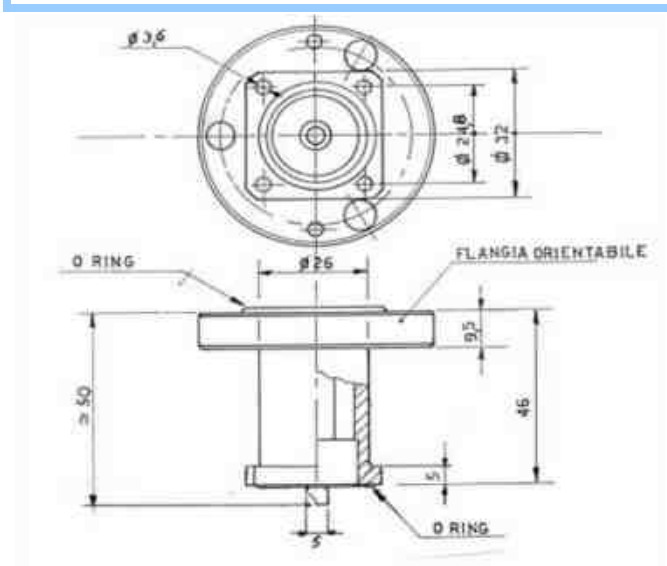
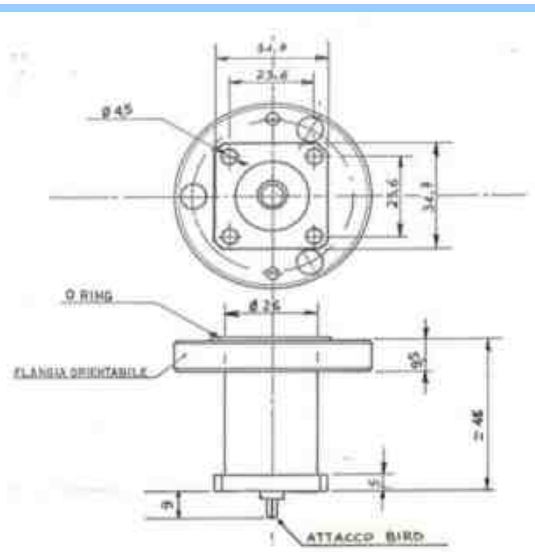


Fig.1 P/N 780000



P/N 780032BD Fig.2

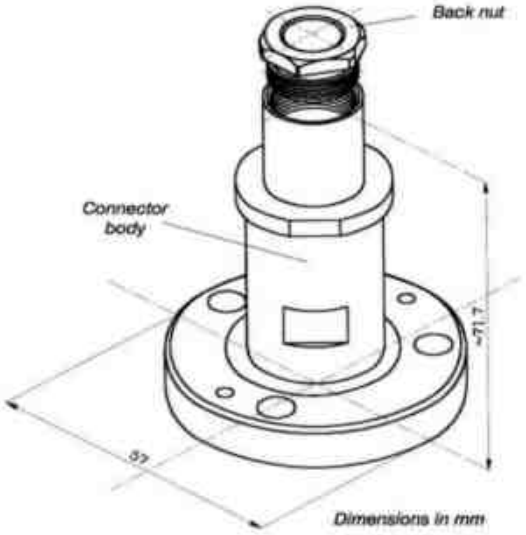
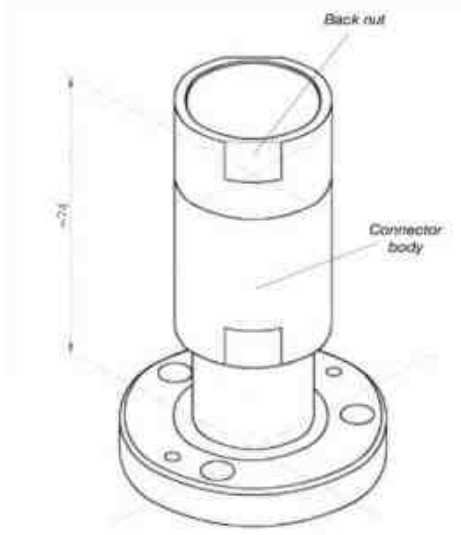


Fig.3 P/N 780011



P/N 7800787 Fig.4

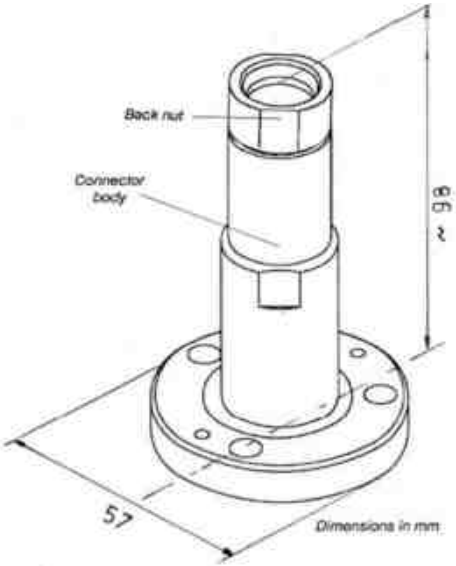
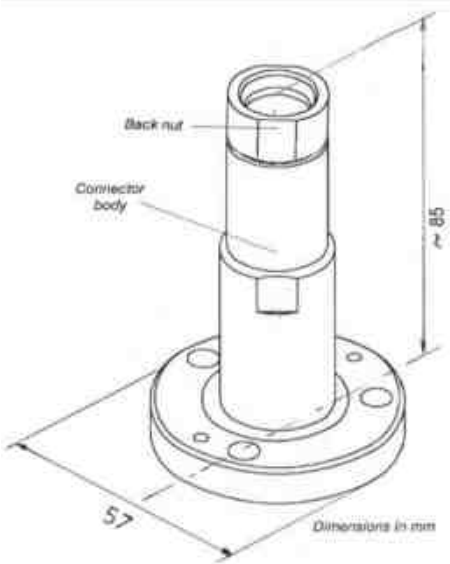


Fig.5 P/N 780012RP



P/N 780012H Fig.6

DRAWINGS 7/8"

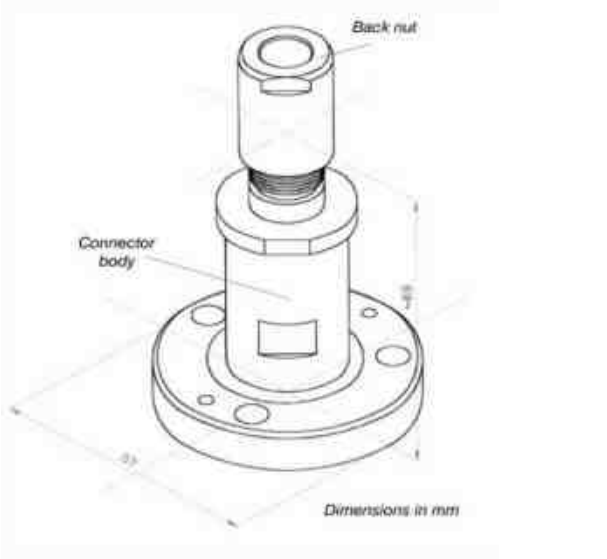
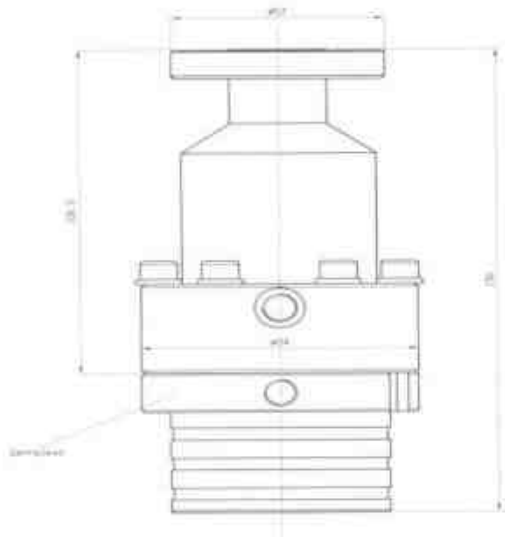


Fig.7 P/N 780014



P/N 780015A Fig.8

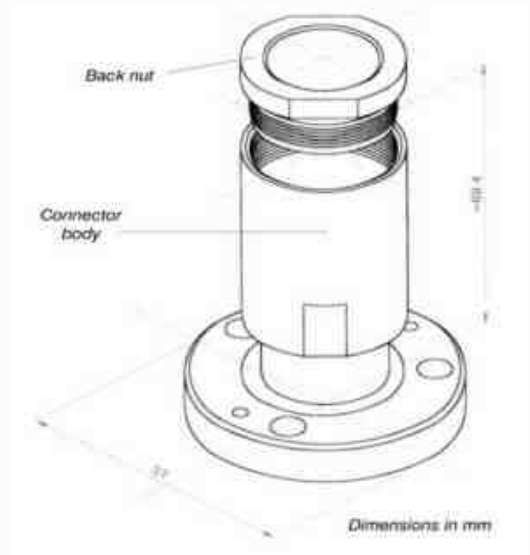
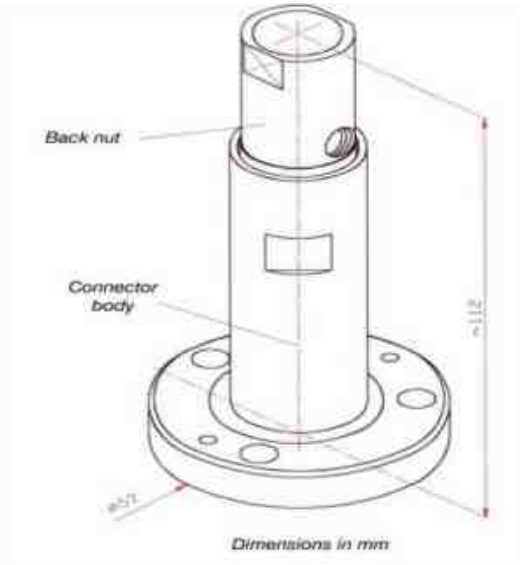


Fig.9 P/N 780022



P/N 780033 Fig.10

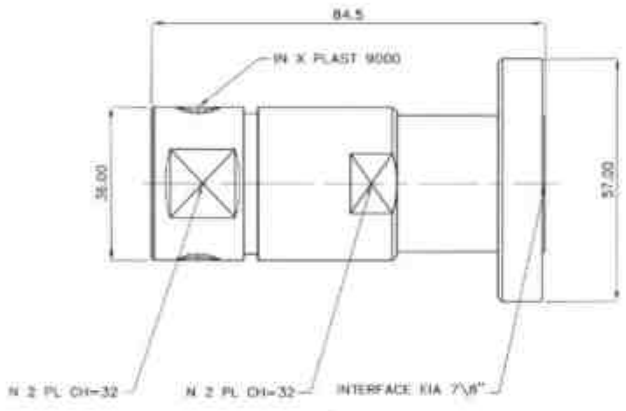
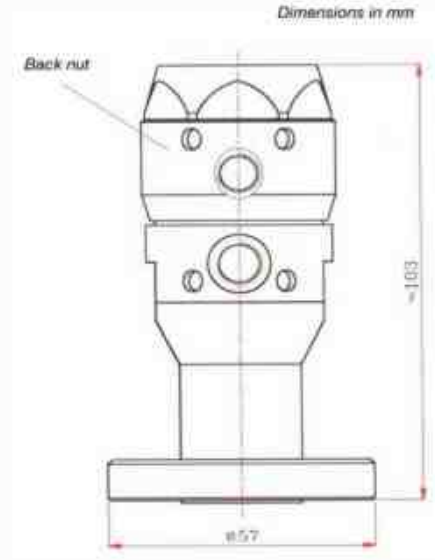


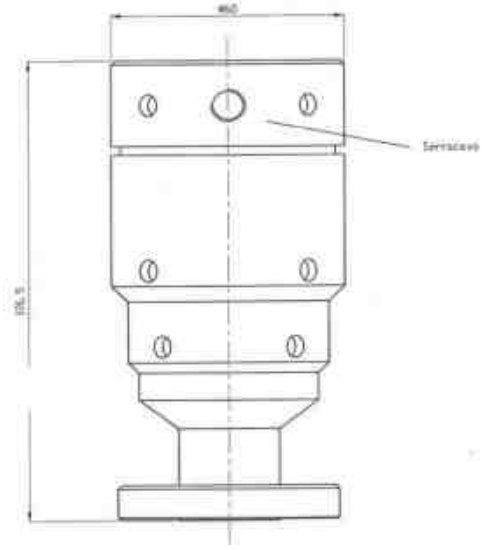
Fig.11 P/N 780078RP



P/N 780078A Fig.12

DRAWINGS 7/8"

Fig.13 P/N 780611



P/N 780015RP Fig.14

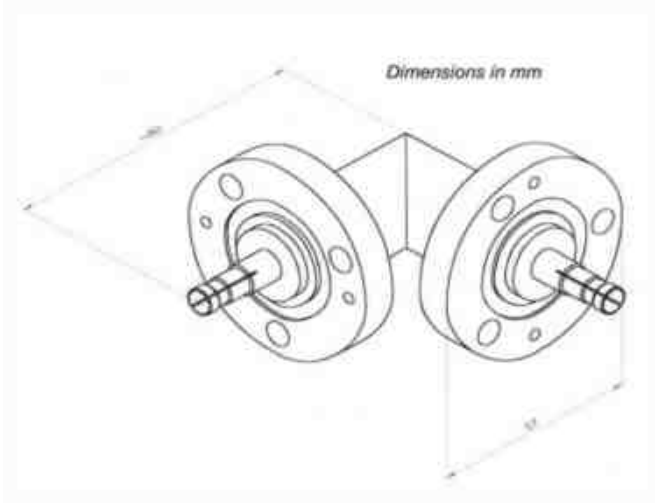
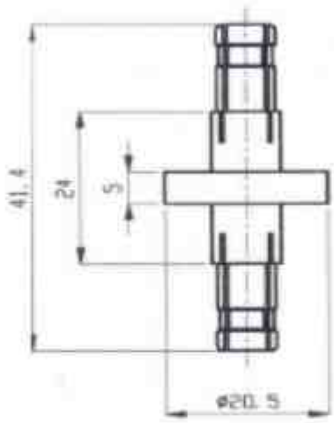


Fig.15 P/N 780478



P/N 78000I* Fig.16

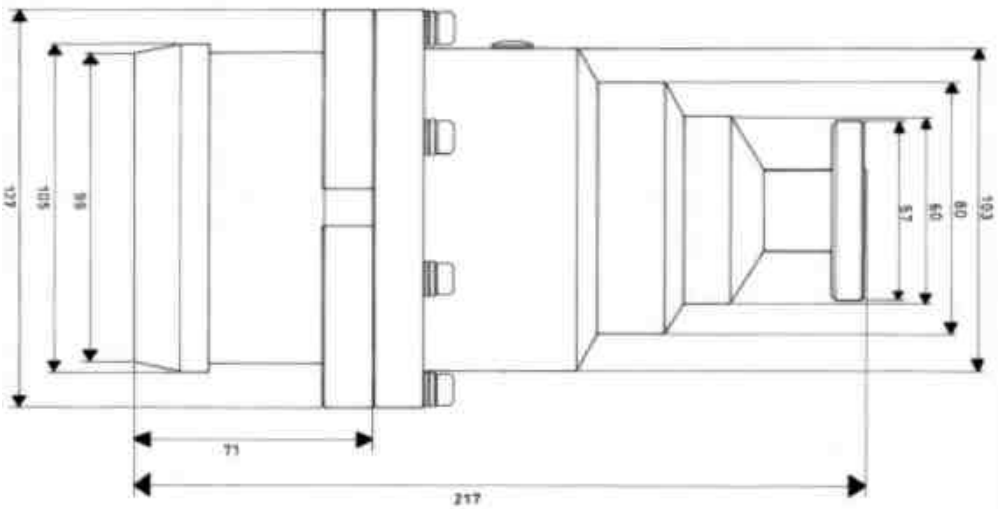


Fig.17 P/N 780031

DRAWINGS 7/8"

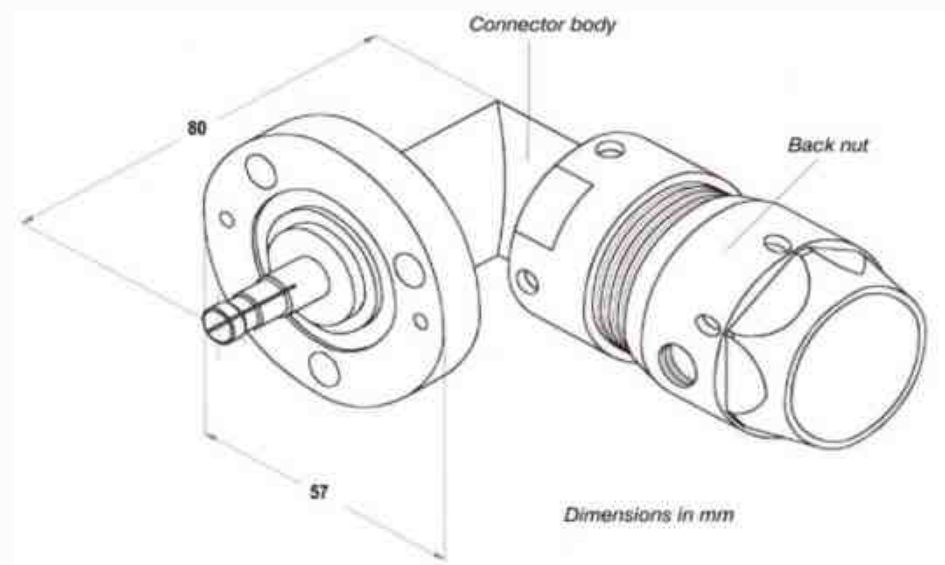


Fig.18 P/N 780478A

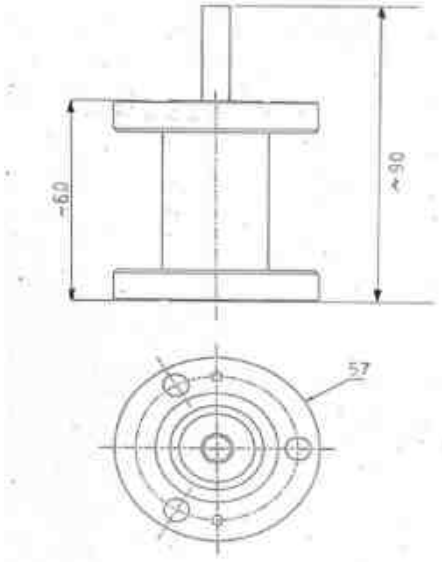
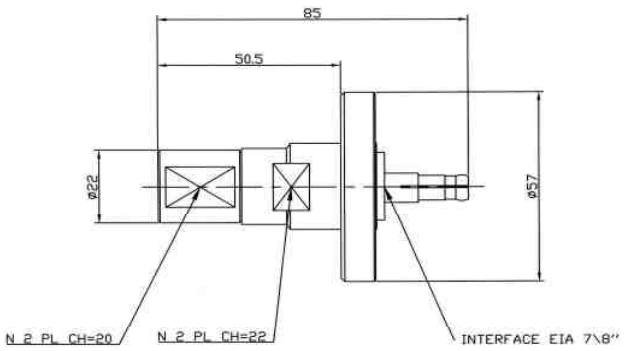


Fig.19 P/N 780578FF



P/N 782012 Fig.20

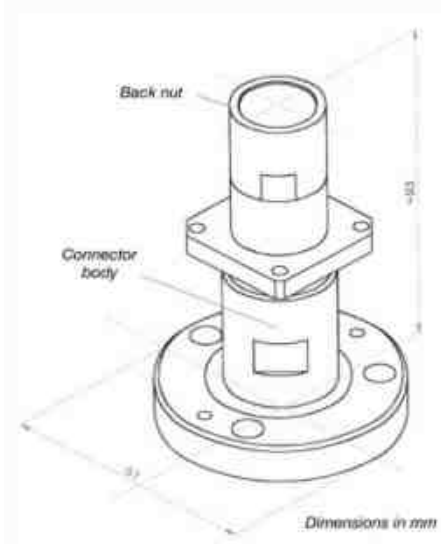
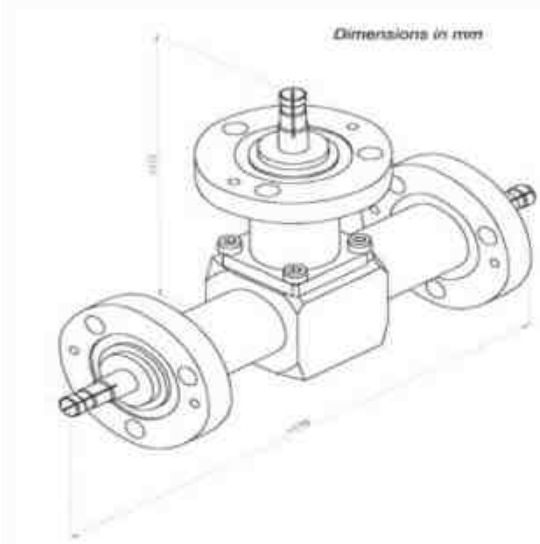


Fig.21 P/N 780612



P/N 78090111 Fig.22

DRAWINGS 7/8"

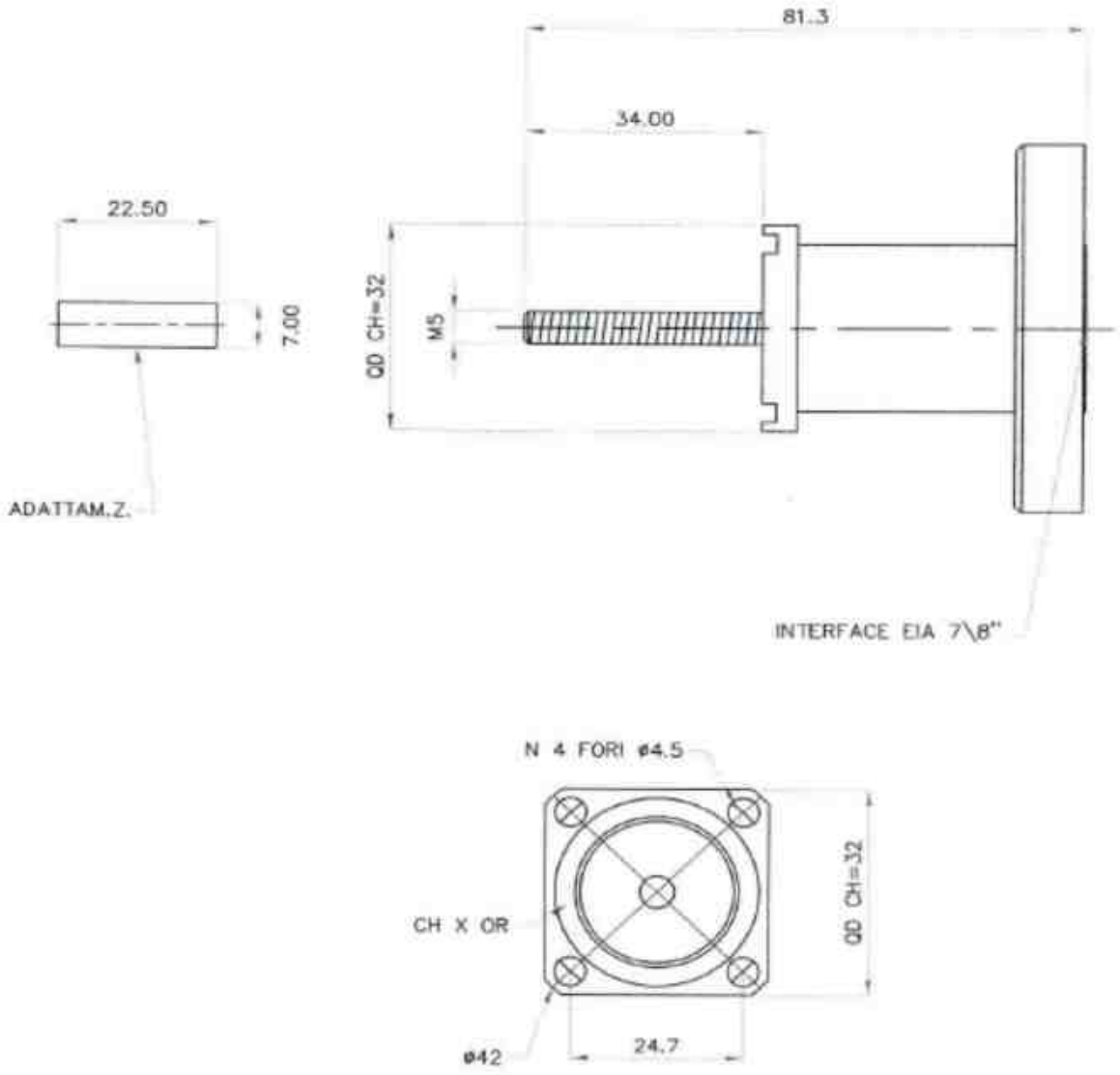


Fig.23 **P/N 780032CF..***

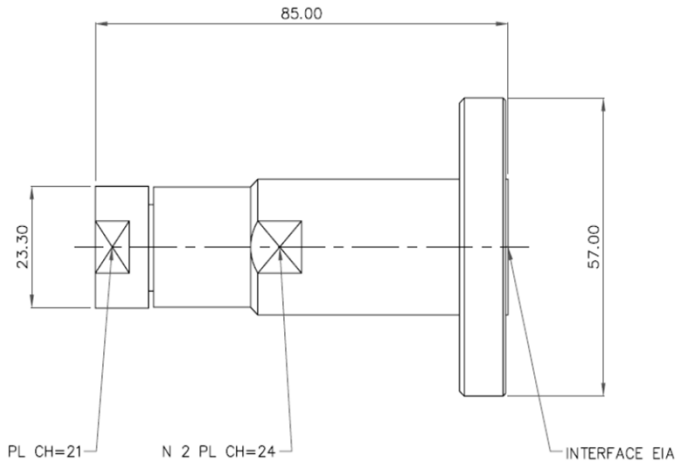
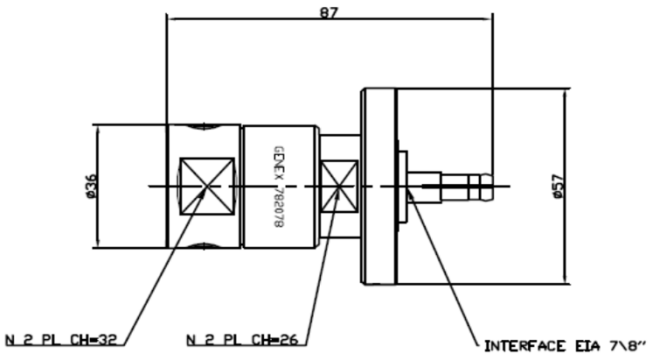


Fig.24 **P/N 780012HFX**



P/N 782078 **Fig.25**

EIA 1"5/8

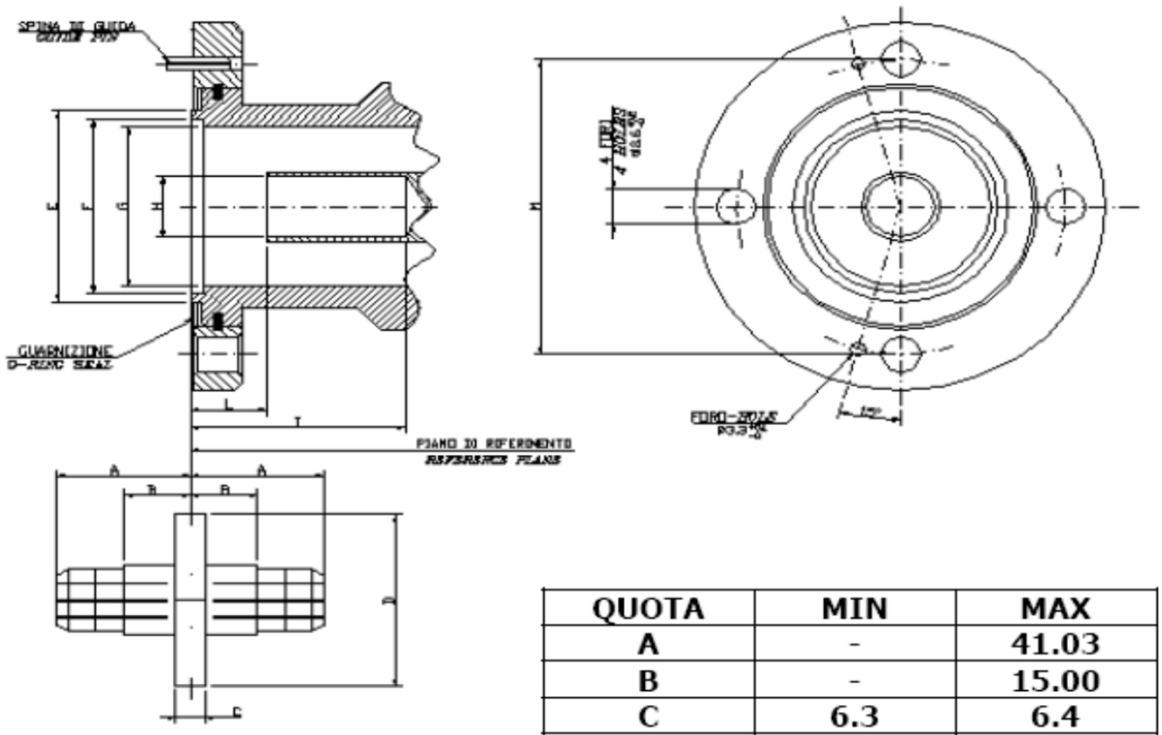
EIA FLANGE 50 Ω

TECHNICAL INFORMATIONS EIA 1"5/8

		notes
Frequency range	DC ÷ 2,5 GHz	
Impedance	50 Ω	
VSWR :	1.15 MAX	
Insulation	≥ 5 * 10^3 MΩ	
Contact resistance	centre ≤1.5 mΩ	
	outer ≤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

P.N. GENEX RF	Description	Notes	Fig.
750022	EIA 1”5/8 for RG 17		4

CORRUGATED CABLE FLANGES

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
750532	EIA 1”5/8 solder contact	flange 32x32	1
750560	EIA 1”5/8 threaded contact M6 - inner H 20mr	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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
75000I	EIA 1”5/8 Inner		9
75000I7	EIA 1”5/8 Inner 75 Ω		
75000ILR	EIA 1”5/8 Inner for USA rigid line		
75000ILRE	EIA 1”5/8 Inner for Europe rigid line		

GAS BARRIER

P.N. GENEX RF	Description	Notes	Fig.
750375GB	Gas barrier EIA 1”5/8		6

DRAWINGS 1"5/8

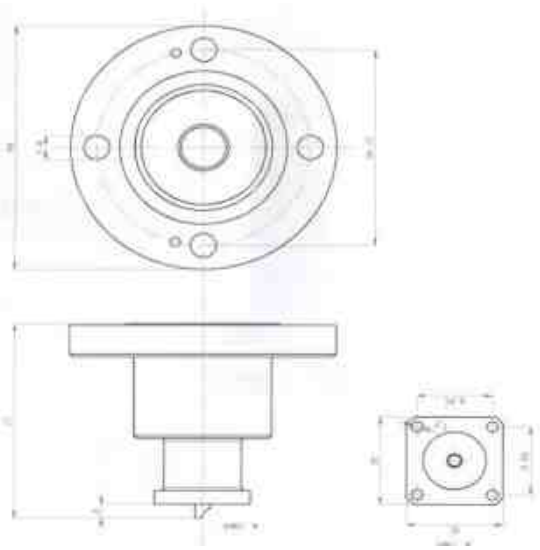
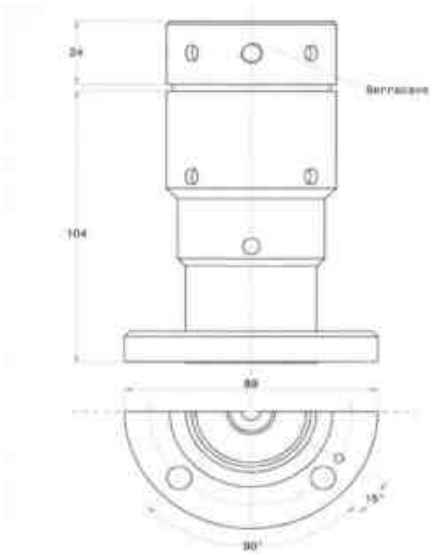


Fig.1 P/N 750000



P/N 750015RP Fig.2

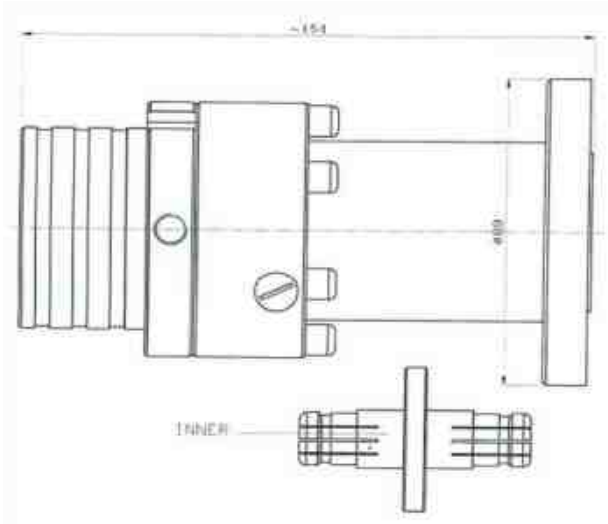
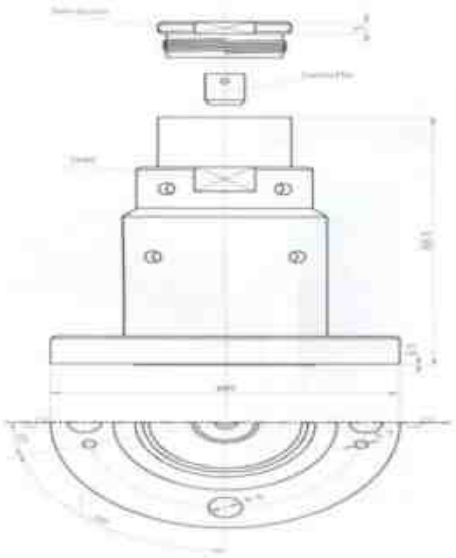


Fig.3 P/N 750015A



P/N 750022 Fig.4

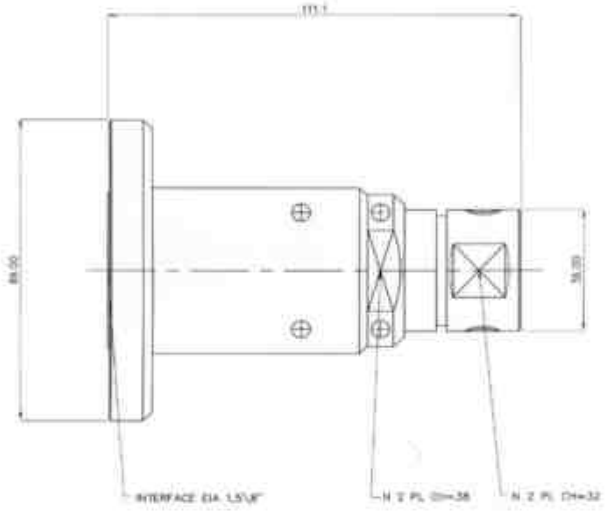
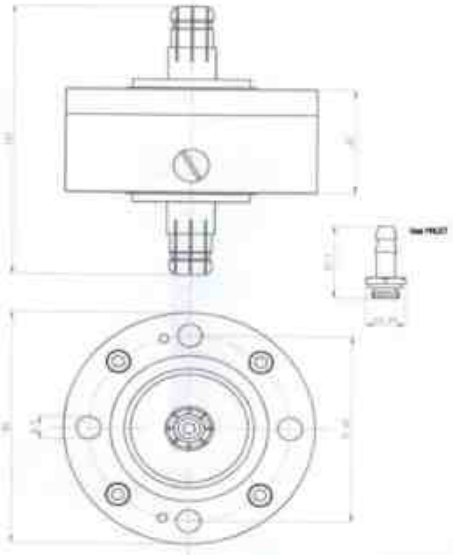


Fig.5 P/N 750078RP



P/N 750375GB Fig.6

DRAWINGS 1"5/8

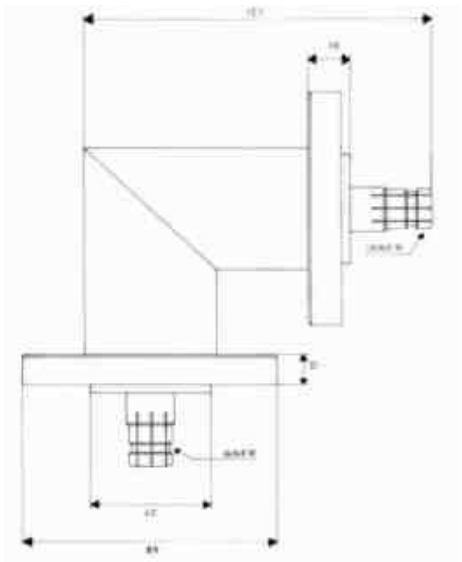
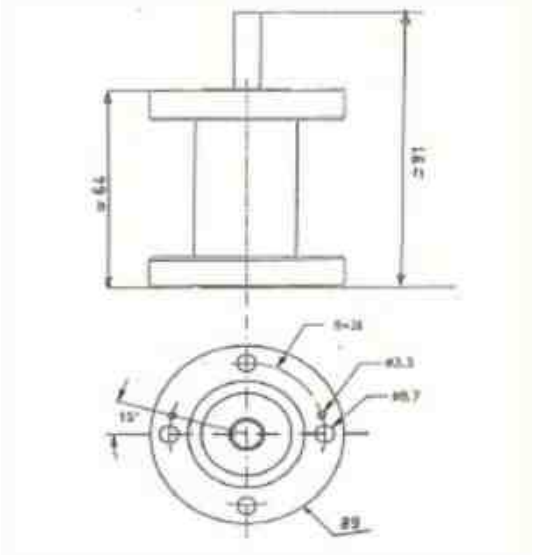


Fig.7 P/N 750475



P/N 750575 Fig.8

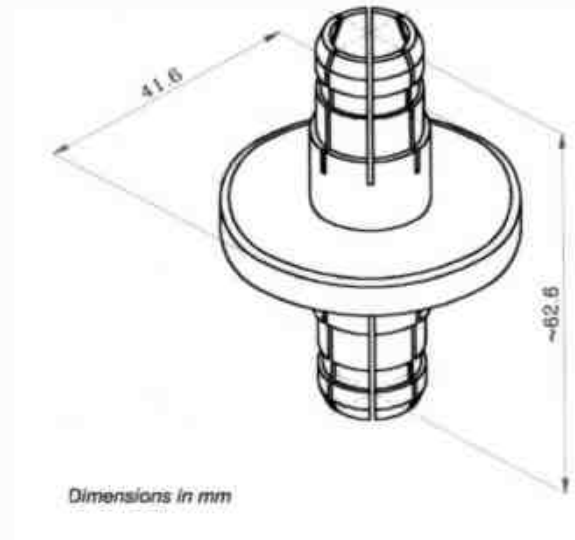
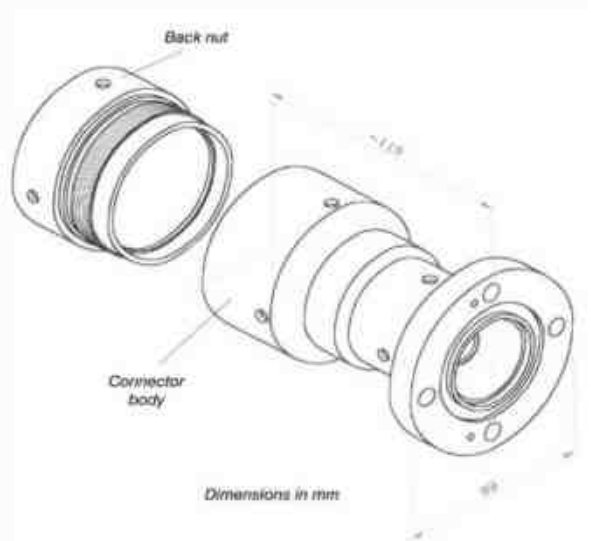


Fig.9 P/N 75000I



P/N 750021 Fig.10

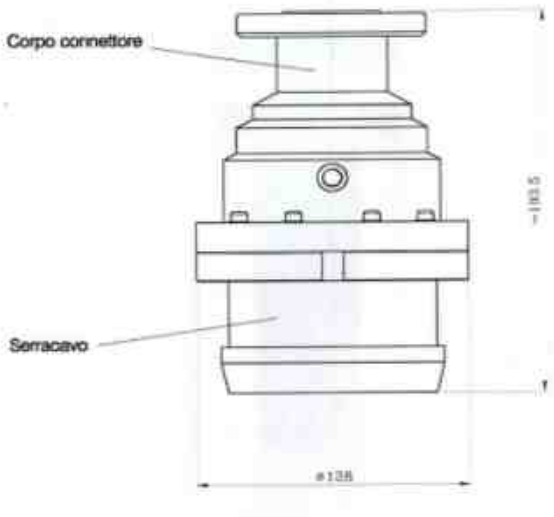
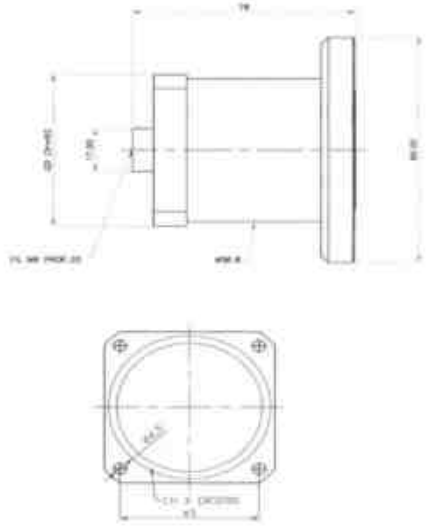


Fig.11 P/N 750031



P/N 750560 Fig.12

DRAWINGS 1"5/8

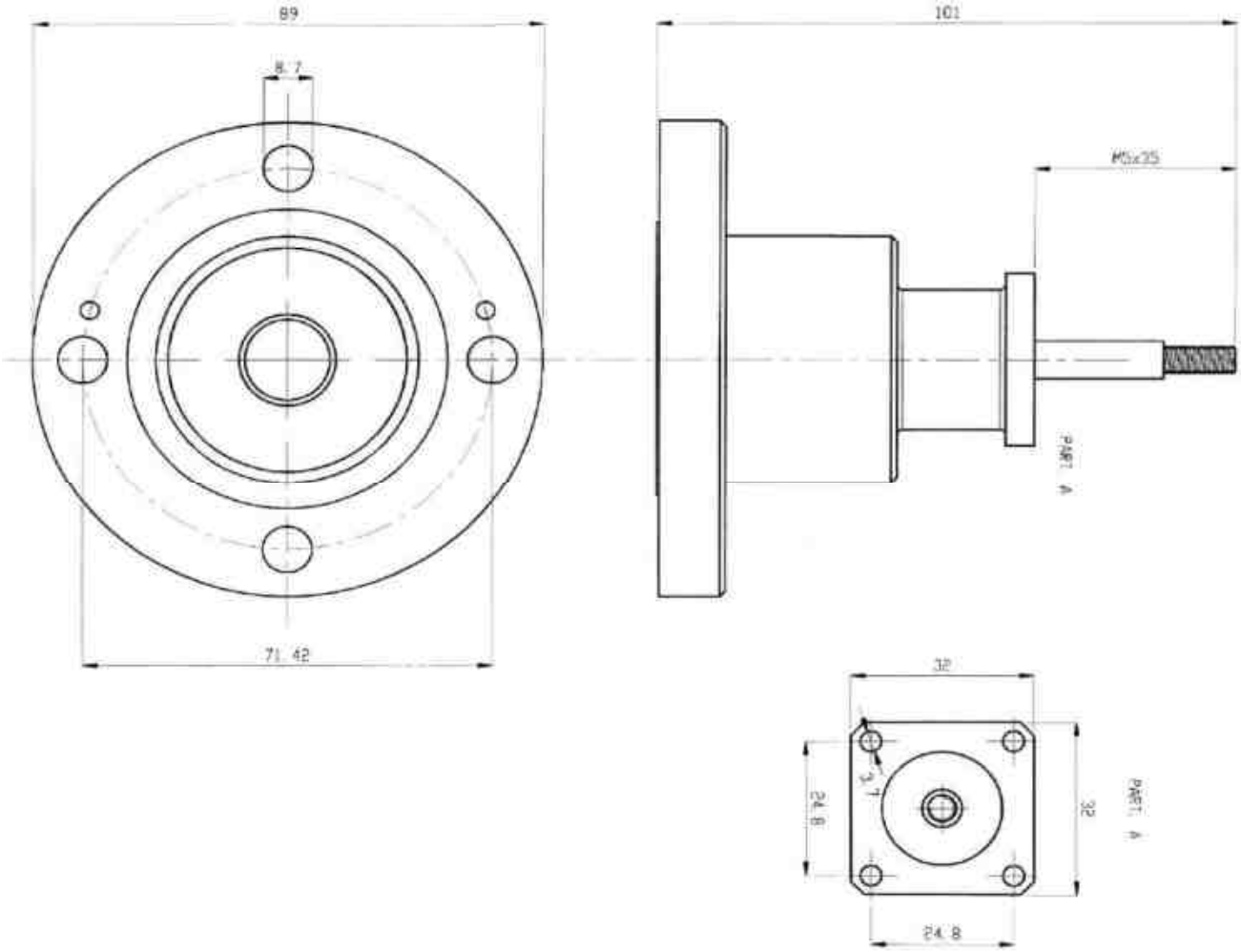


Fig.13

P/N 750532CF35

Fig.14 **P/N**

P/N **Fig.15**

EIA 3"1/8

EIA FLANGE 50 Ω

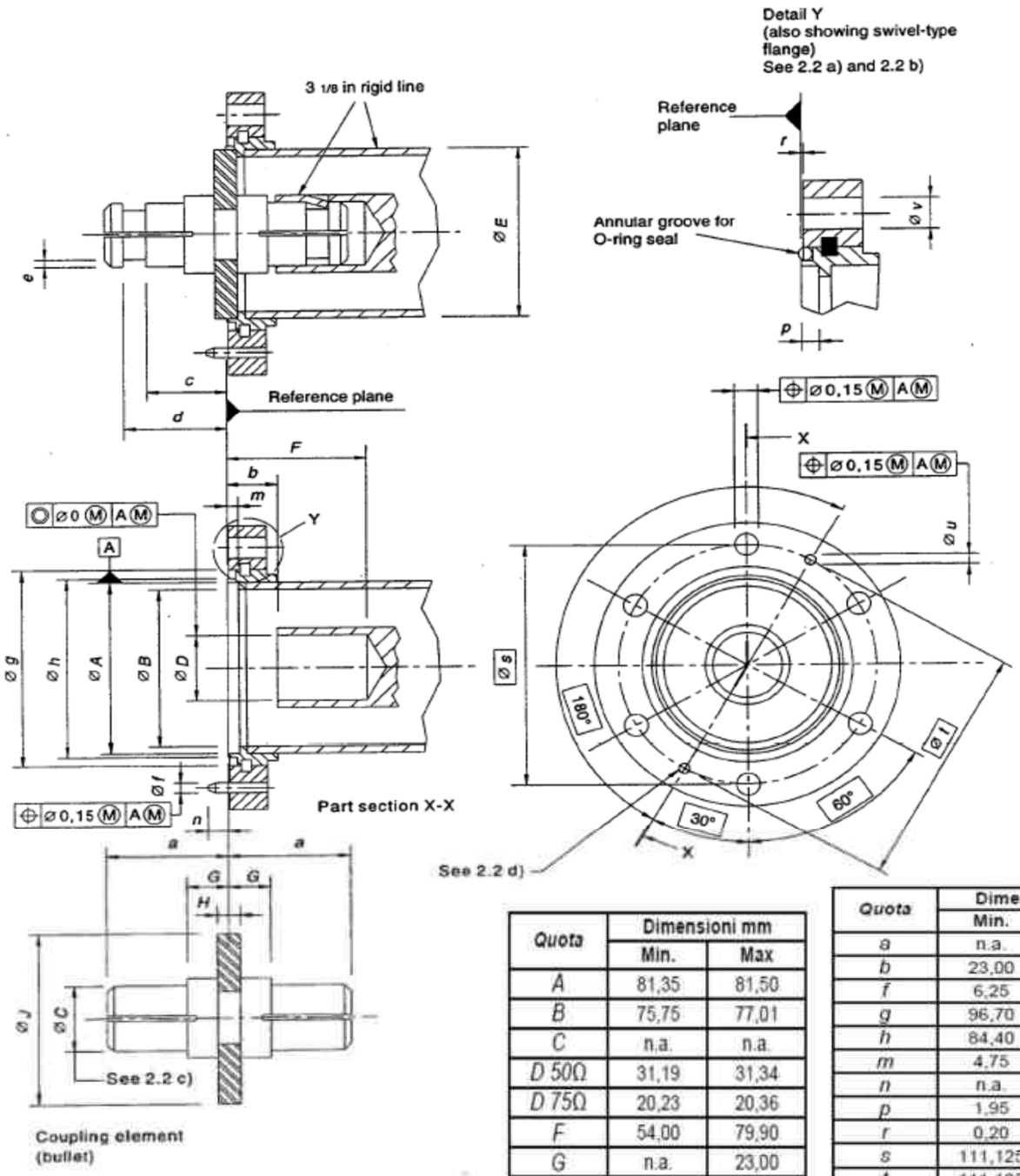
GENEX RF, helpfulness and courtesy in replying to your just demands.

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



Quota	Dimensioni mm	
	Min.	Max
A	81,35	81,50
B	75,75	77,01
C	n.a.	n.a.
D 50Ω	31,19	31,34
D 75Ω	20,23	20,36
F	54,00	79,90
G	n.a.	23,00
H	9,40	9,50
J	80,65	80,75

Quota	Dimensioni mm	
	Min.	Max
a	n.a.	54,00
b	23,00	23,80
f	6,25	6,30
g	96,70	96,90
h	84,40	84,60
m	4,75	4,90
n	n.a.	10,00
p	1,95	2,05
r	0,20	0,60
s	111,125	n.a.
t	111,125	n.a.
u	6,45	6,55
v	10,60	11,00

CORRUGATED CABLE FLANGES

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
73000I	EIA 3”1/8 Inner		1
73000I7	EIA 3”1/8 Inner 75Ω		

GAS BARRIER

P.N. GENEX RF	Description	Notes	Fig.
730373GB	Gas barrier EIA 3”1/8		

DRAWINGS 3"1/8

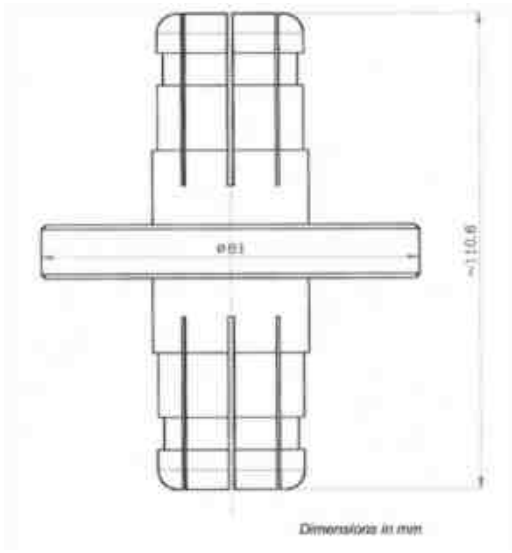
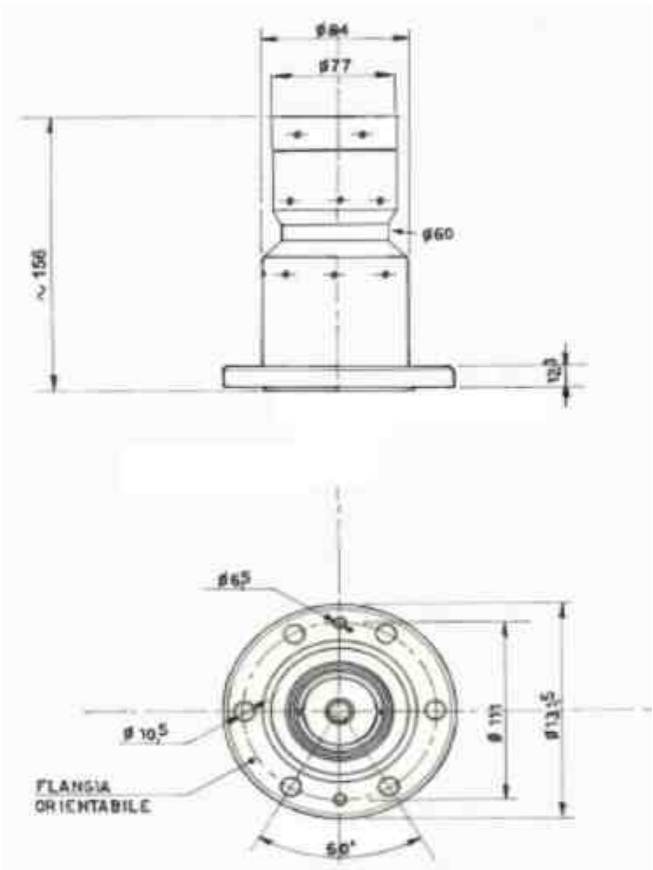


Fig.1 P/N 73000I



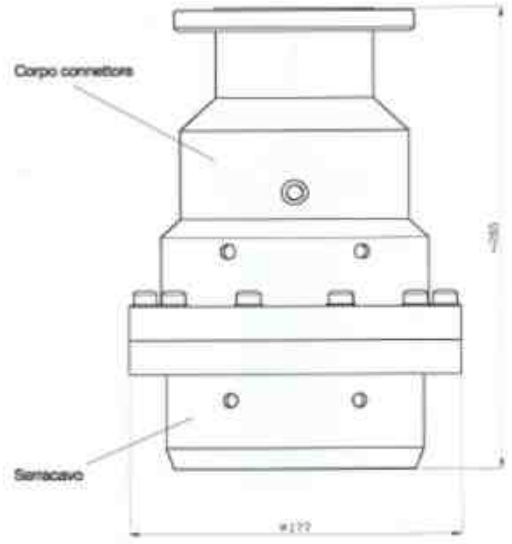


Fig.2 P/N 730040

P/N 730021 Fig.3

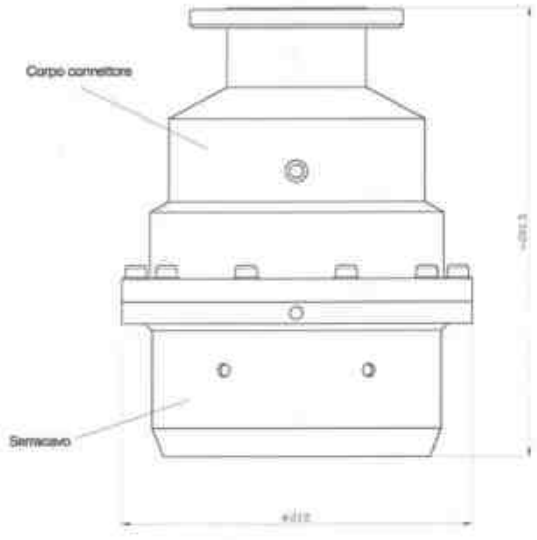
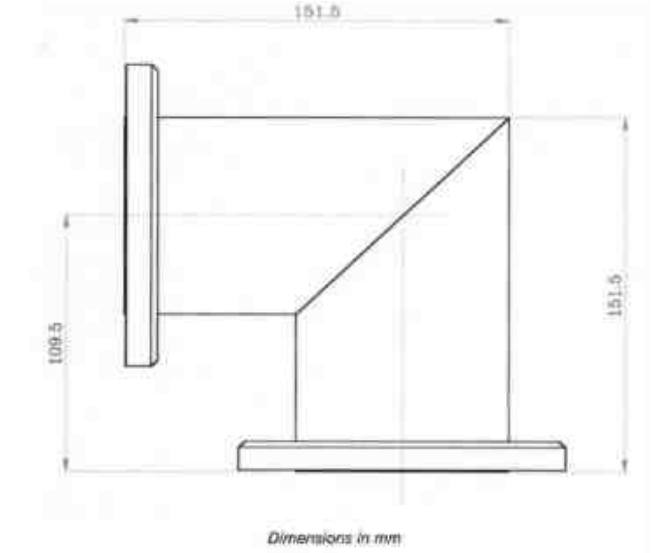


Fig.4 P/N 730055

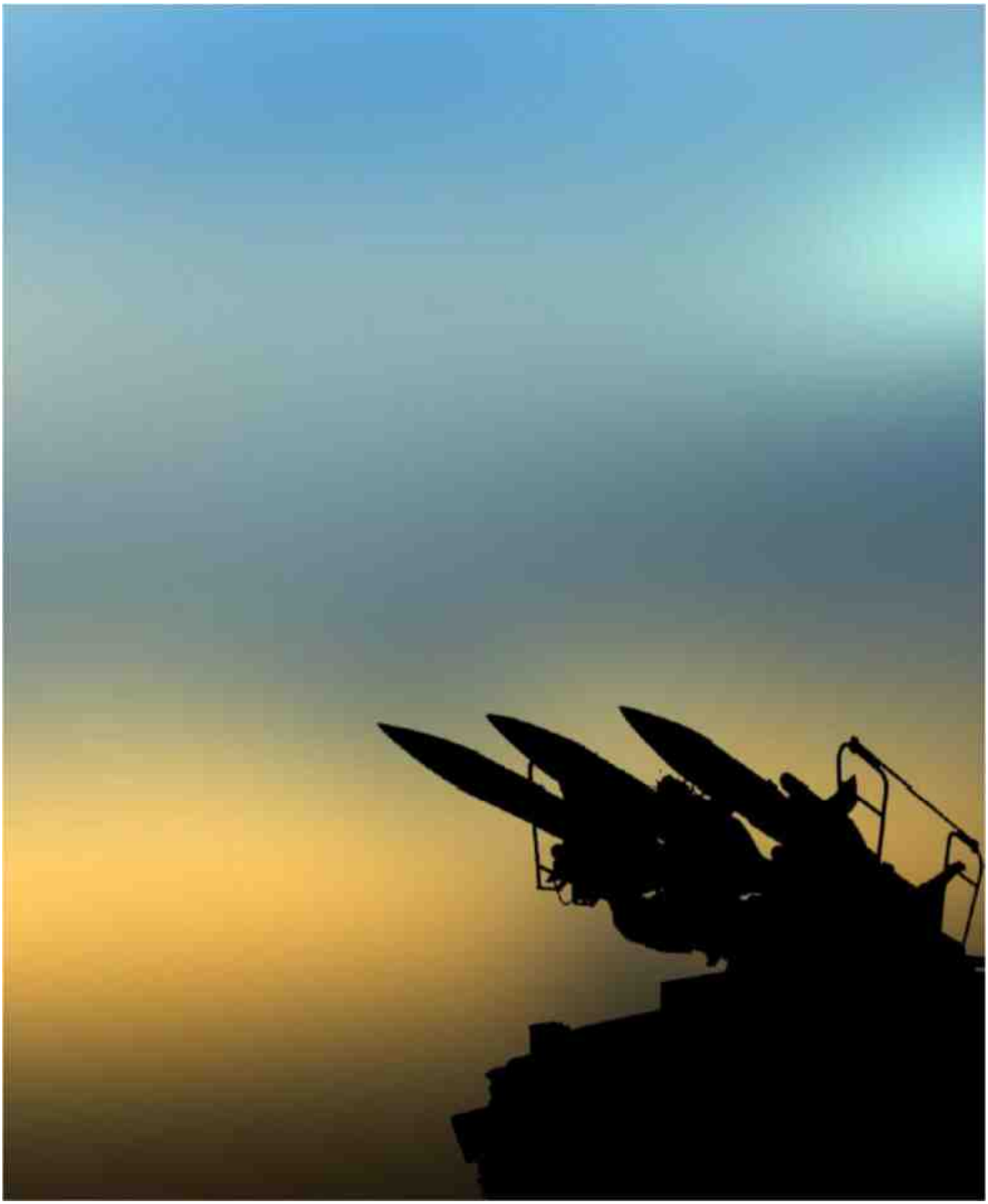


P/N 730473 Fig.5

EIA 4"1/8

EIA FLANGE 50 Ω

GENEX RF
For every demands.

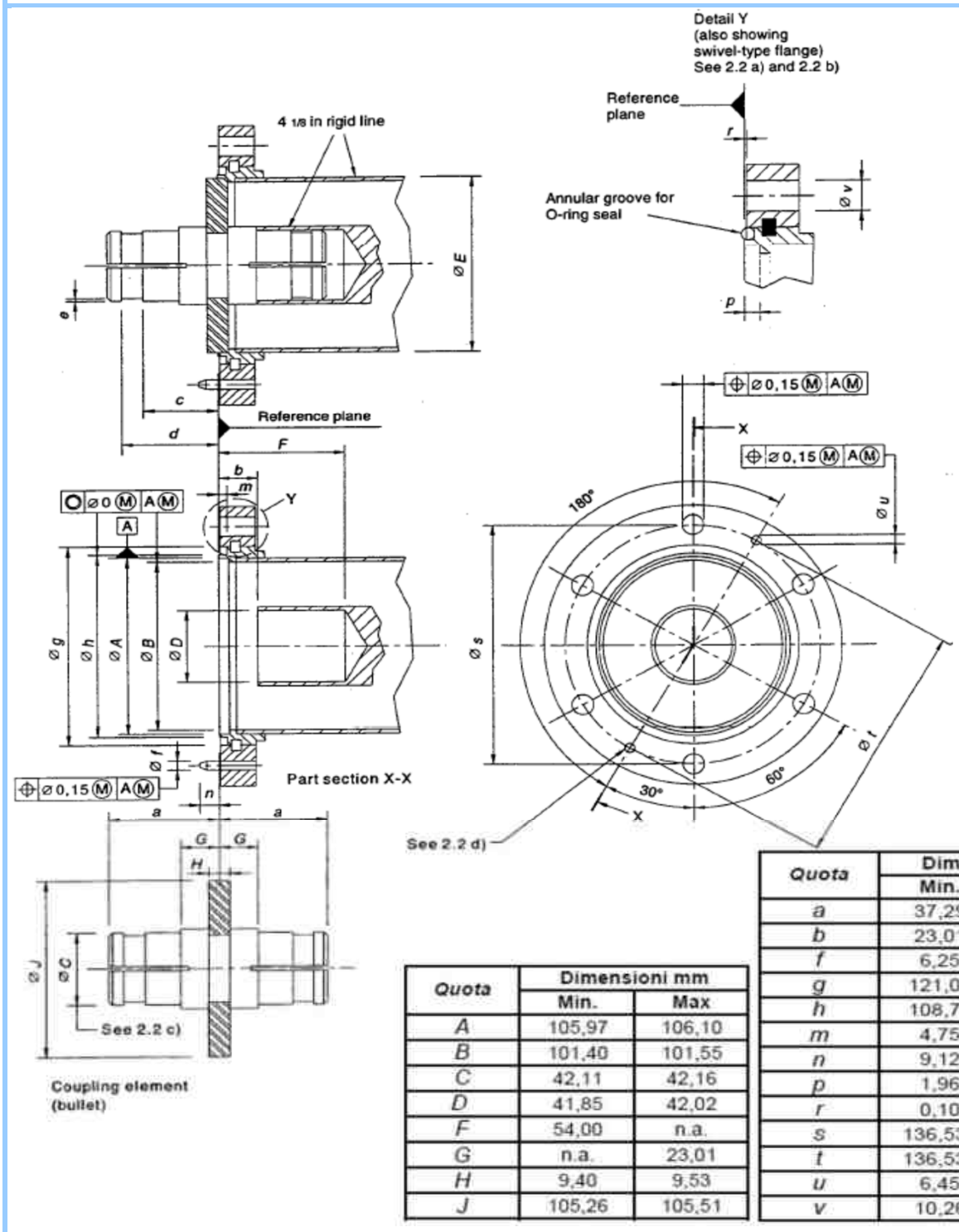


TECHNICAL INFORMATIONS EIA 4"1/8

		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



Quota	Dimensioni mm	
	Min.	Max
A	105,97	106,10
B	101,40	101,55
C	42,11	42,16
D	41,85	42,02
F	54,00	n.a.
G	n.a.	23,01
H	9,40	9,53
J	105,26	105,51

Quota	Dimensioni mm	
	Min.	Max
a	37,29	54,00
b	23,01	26,19
f	6,25	6,30
g	121,03	121,29
h	108,71	108,97
m	4,75	4,88
n	9,12	10,01
p	1,96	2,06
r	0,10	0,61
s	136,530	n.a.
t	136,530	n.a.
u	6,45	6,55
v	10,26	11,00

ADAPTERS

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

INNER

P.N. GENEX RF	Description	Notes	Fig.
48000I	EIA 4"1/8 Inner		

EIA 4"1/2

EIA FLANGE 50 Ω

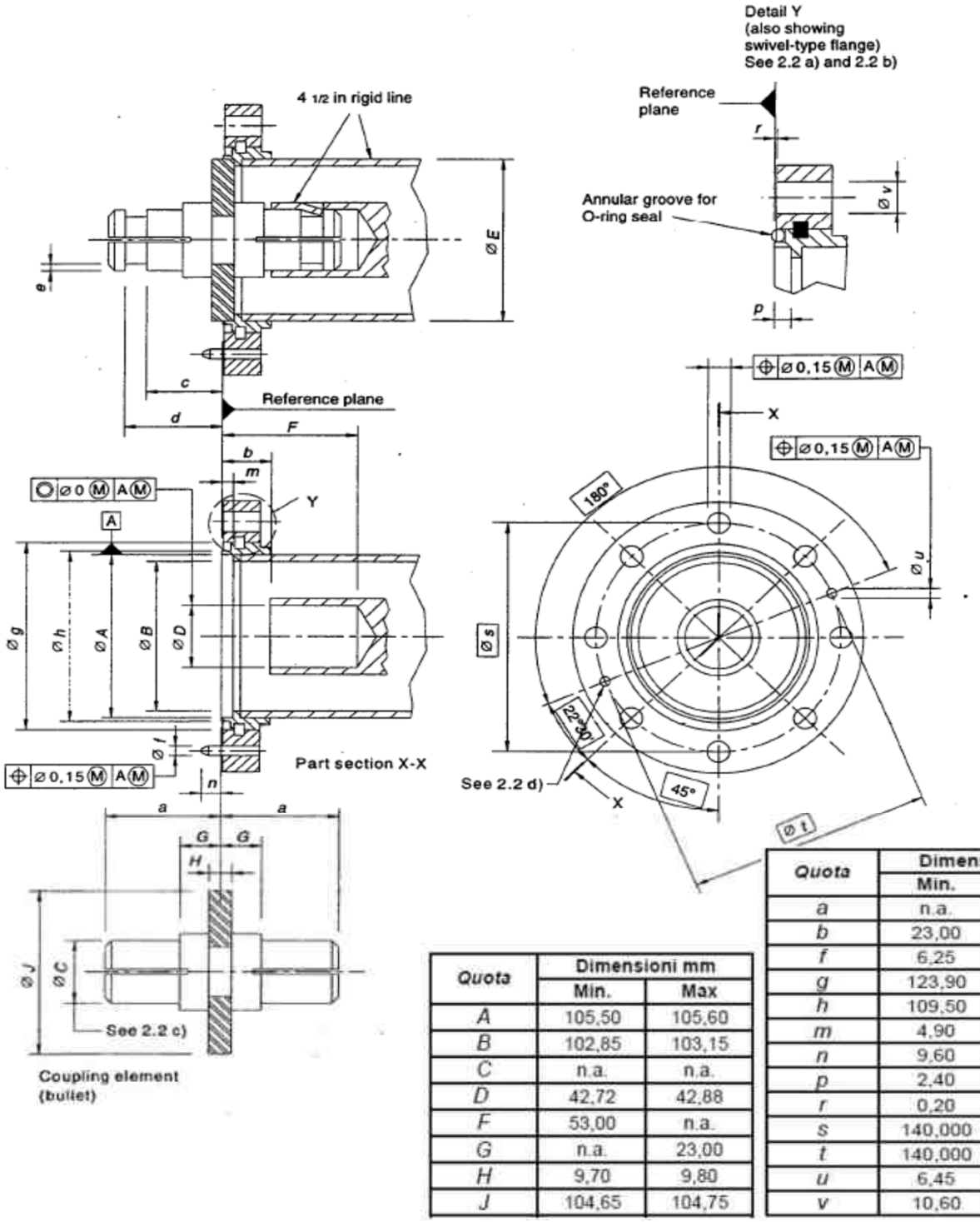
GENEX RF
Impossible become possible too.

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



Quota	Dimensioni mm	
	Min.	Max
A	105,50	105,60
B	102,85	103,15
C	n.a.	n.a.
D	42,72	42,88
F	53,00	n.a.
G	n.a.	23,00
H	9,70	9,80
J	104,65	104,75

Quota	Dimensioni mm	
	Min.	Max
a	n.a.	53,00
b	23,00	23,80
f	6,25	6,30
g	123,90	124,10
h	109,50	109,70
m	4,90	5,10
n	9,60	10,40
p	2,40	2,60
r	0,20	0,60
s	140,000	n.a.
t	140,000	n.a.
u	6,45	6,55
v	10,60	11,00

CORRUGATED CABLE FLANGES

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

RIGID LINE FLANGE

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

ADAPTERS

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

INNER

P.N. GENEX RF	Description	Notes	Fig.
49000I	EIA 4"1/2 Inner		

DRAWINGS 4"1/2

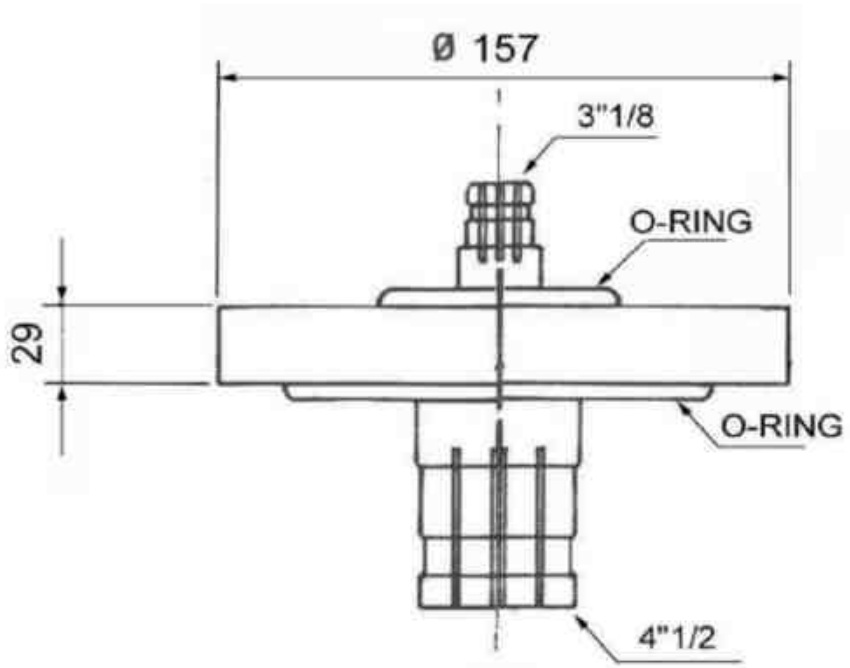


Fig.1 **P/N 490373**

Fig.2 **P/N**

P/N **Fig.3**

EIA 6"1/8

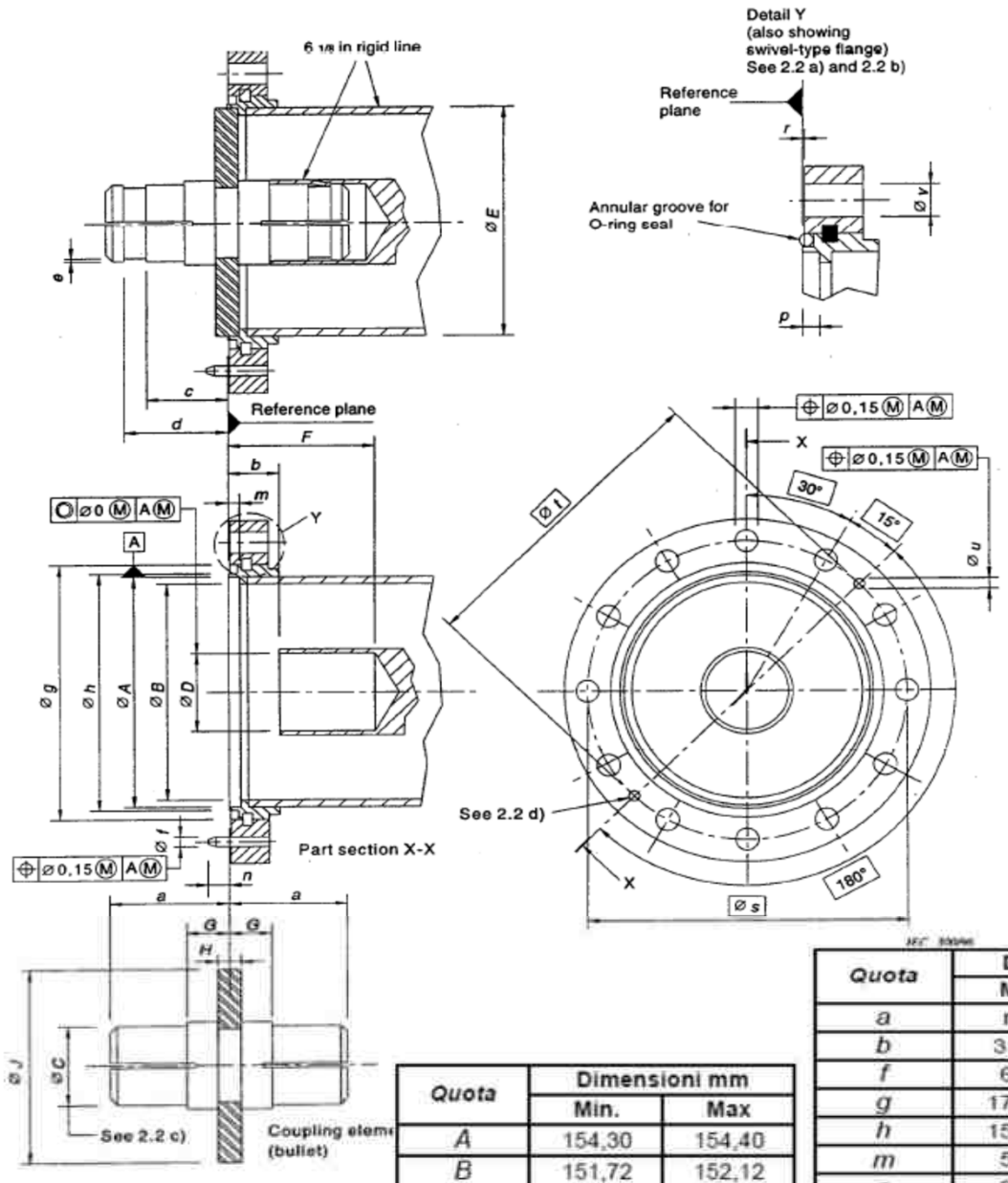
EIA FLANGE 50 Ω

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

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

RIGID LINE FLANGES

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

ADAPTERS

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

INNER

P.N. GENEX RF	Description	Notes	Fig.
86000I	EIA 6"1/8 Inner		2

DRAWINGS 6"1/8

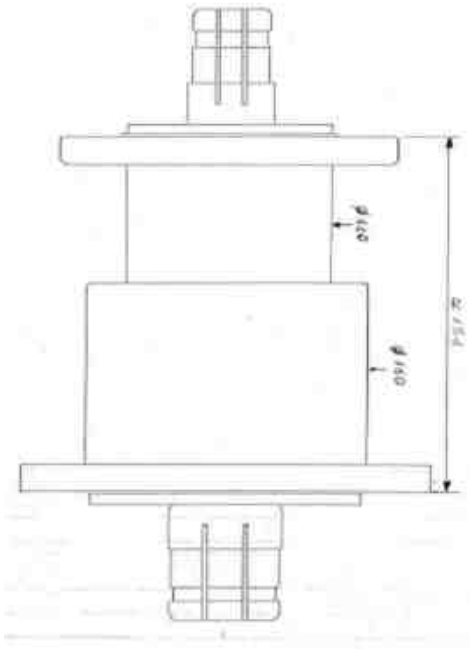
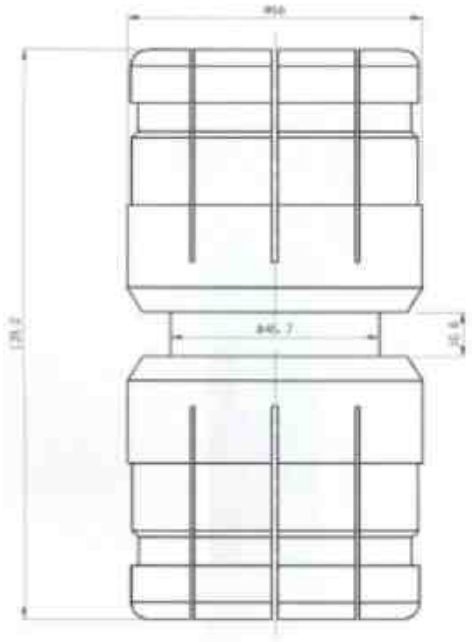


Fig.1 P/N 860348C



P/N 86000I Fig.2

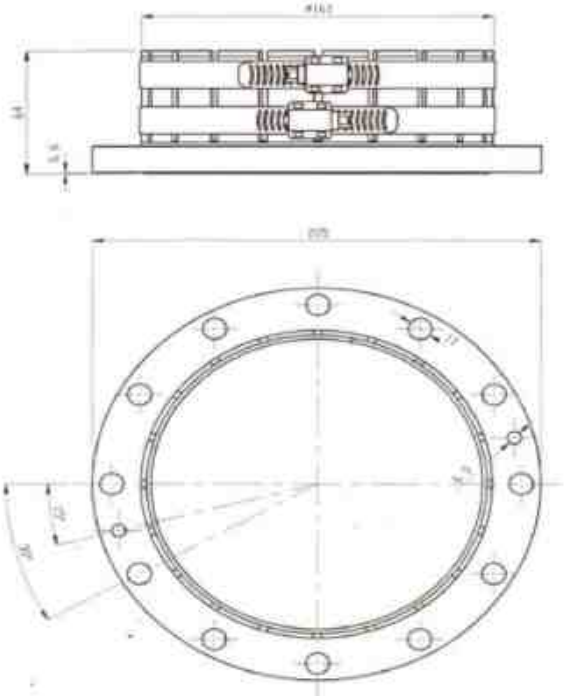
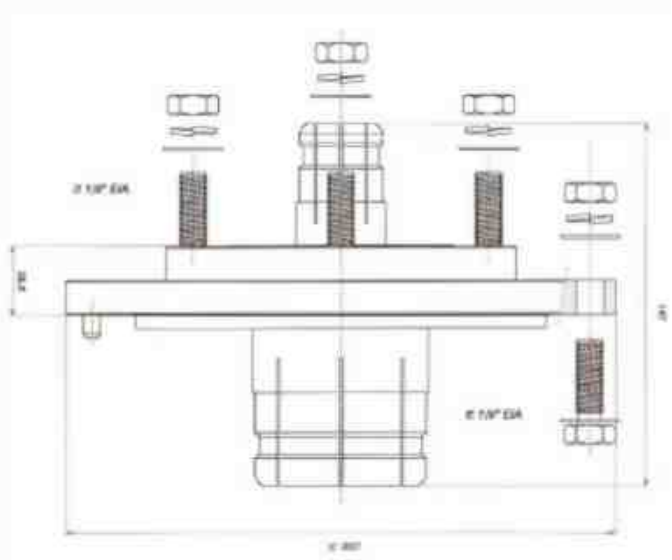


Fig.3 P/N 860041LR



P/N 860373 Fig.4

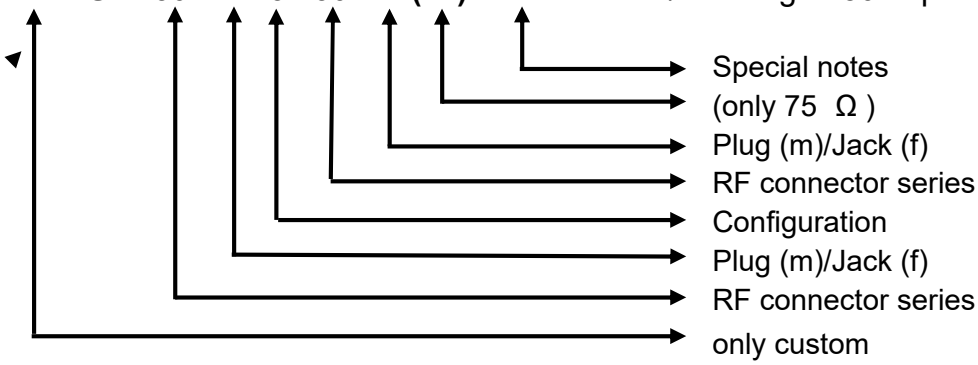
COAXIAL ADAPTERS

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)

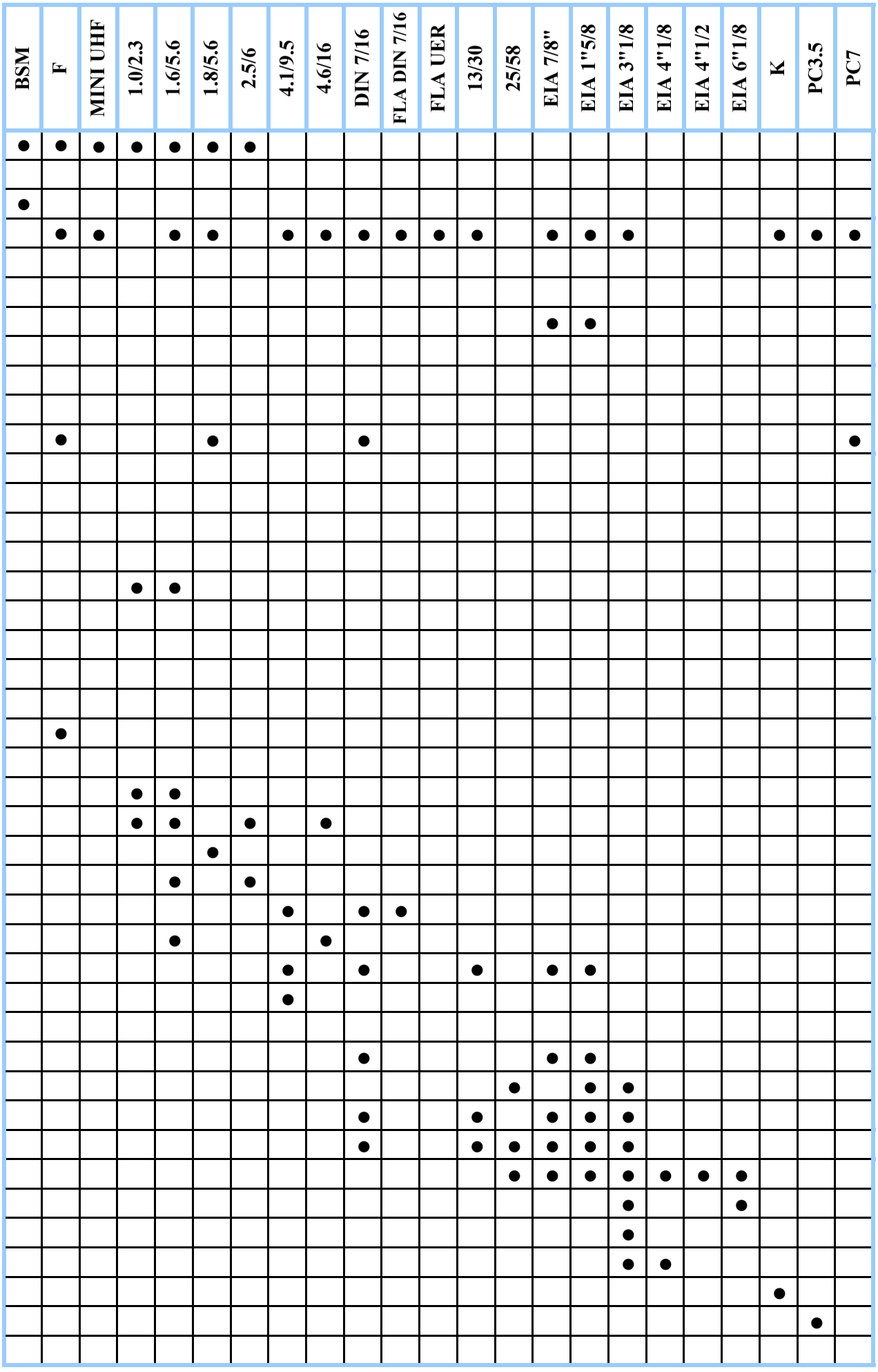
CONFIGURATION

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				●							●								


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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
3523101	BNC f - SMC male contact	50 Ω		
30131017	BNC f - N f	75 Ω		
30171017	BNC f - N f	75 Ω	bulkhead	73
30231017	BNC f - N m	75 Ω		90

From BNC reverse polarity female contact to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
0913301	BNC rev. polarity female contact - N f	50 Ω		

From TNC plug (m) to …

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

From TNC jack (f) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From THT jack (f) to …

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

From SMA plug (m) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From SMS jack (f) to …

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

From SMP plug (m) to …

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

From SMP jack (f) to …

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

From SMC female contact to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From SMB male contact to …

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

From MCX plug (m) to …

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

From MCX jack (f) to …

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

From OSP/BMA plug (m) to …

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

From OSP/BMA jack (f) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From F plug (m) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From MINI UHF jack (f) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
4113102	MINI UHF f - BNC m	50 Ω		

From 1.0/2.3 plug (m) to …

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

From 1.0/2.3 jack (f) to …

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

From 1.6/5.6 plug (m) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From 13/30 Siemens male contact to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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” L 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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

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

From EIA 6"1/8 to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
3013102LV	BNC m - N f	50 Ω	stainless steel - DC-4 GHz	76

From BNC jack (f) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
3023101LV	BNC f - N m	50 Ω	stainless steel - DC-4 GHz	79

From TNC plug (m) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
3013202LV	TNC m - N f	50 Ω	stainless steel - DC-18 GHz	102

From TNC jack (f) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
3017201LV	TNC f - N f	50 Ω	bulkhead - stainless steel DC-12,4 GHz	78
ELT3323201	TNC f - SMA m	50 Ω	stainless steel - DC-18 GHz	95

From N plug (m) to …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
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 …

P.N. GENEX RF	Description	OHM	Notes	Fig.
9603301LV	PC7 - N f	50 Ω	stainless steel - DC-18 GHz	
9603302LV	PC7 - N m	50 Ω	stainless steel - DC-18 GHz	
9603331LV	PC7 - SMA f	50 Ω	stainless steel - DC-18 GHz	
9603332LV	PC7 - SMA m	50 Ω	stainless steel - DC-18 GHz	

DRAWINGS COAXIAL ADAPTERS

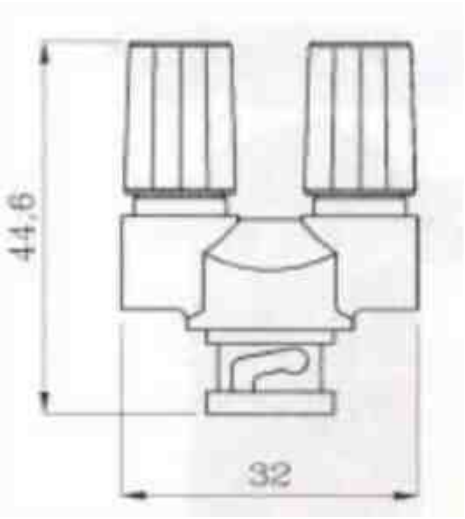
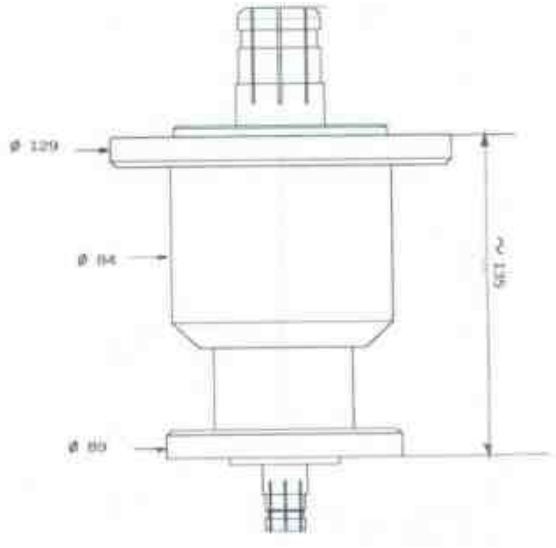


Fig.1 **P/N 1020-BAN**



P/N 730375C **Fig.2**

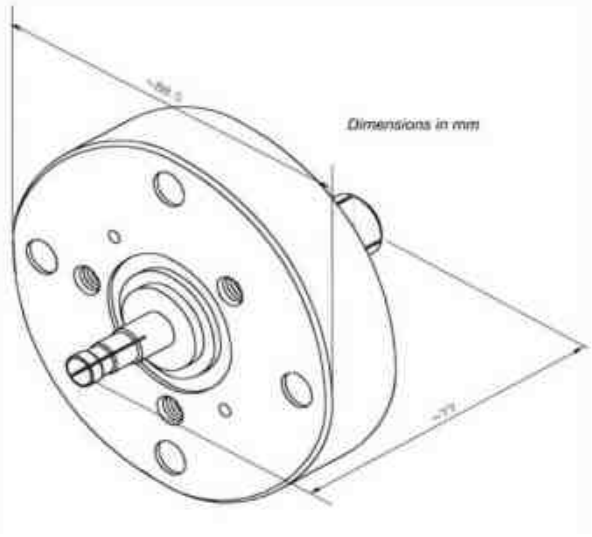
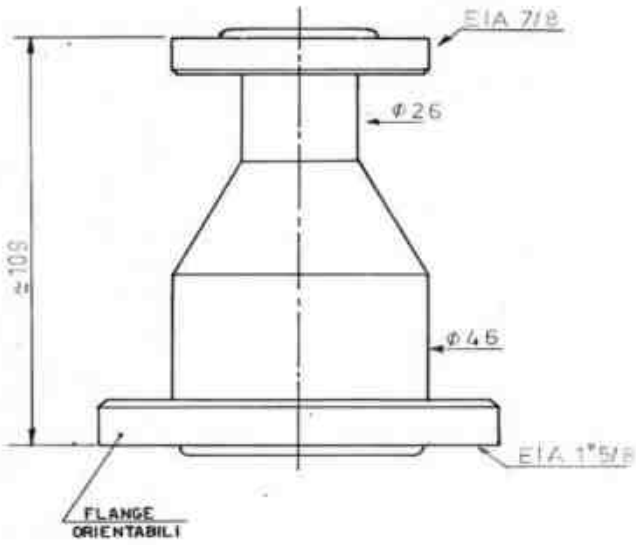


Fig.3 **P/N 750378**



P/N 750378C **Fig.4**

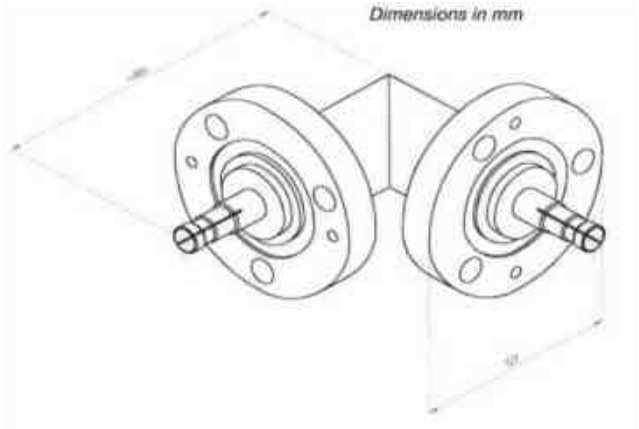
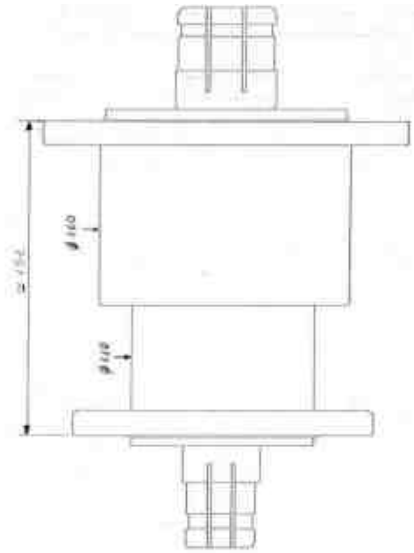


Fig.5 **P/N 780478**



P/N 860348C **Fig.6**

DRAWINGS COAXIAL ADAPTERS

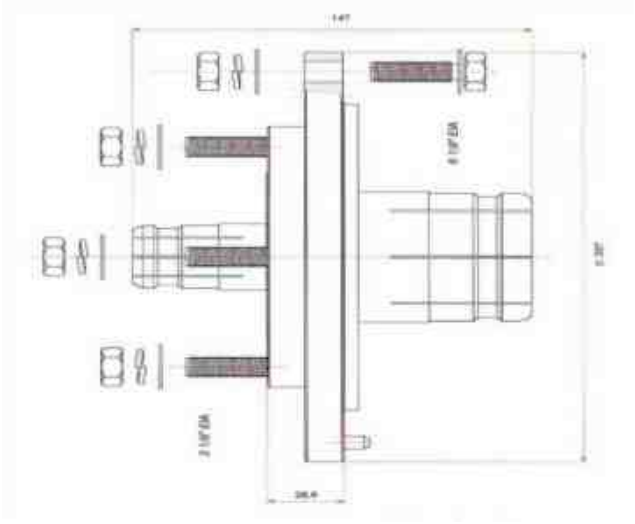
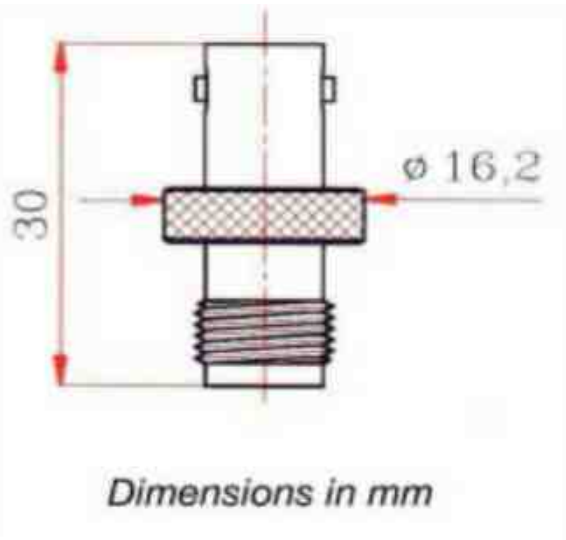


Fig.7 P/N 860373



P/N 2013101 Fig.8

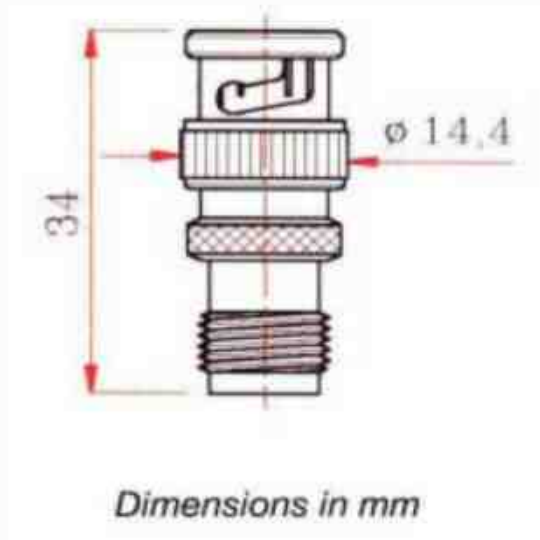
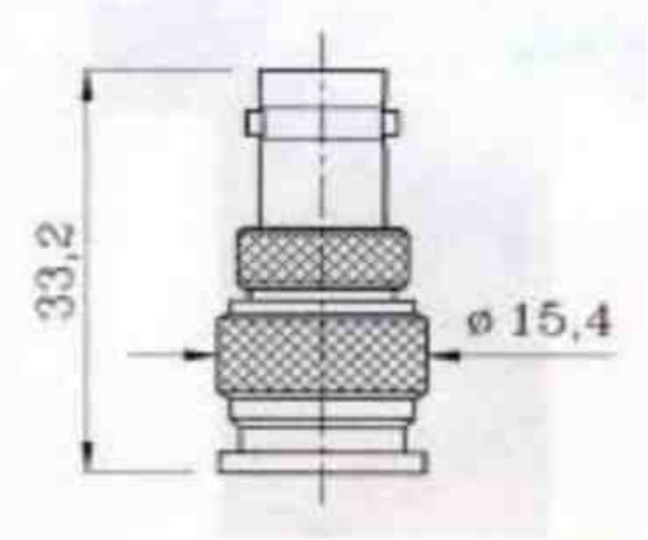


Fig.9 P/N 2013102



P/N 2023101 Fig.10

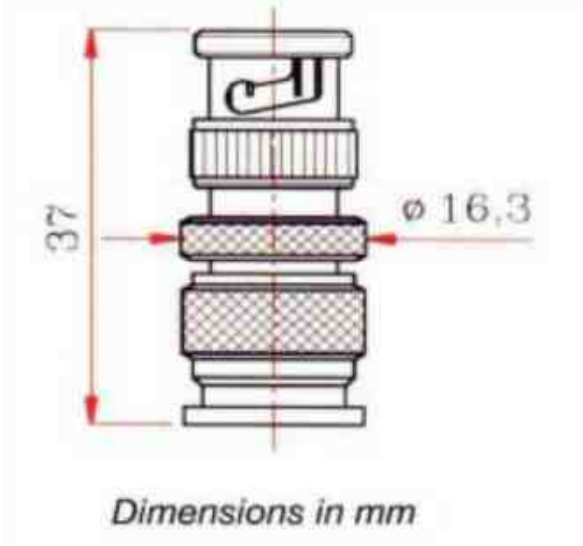
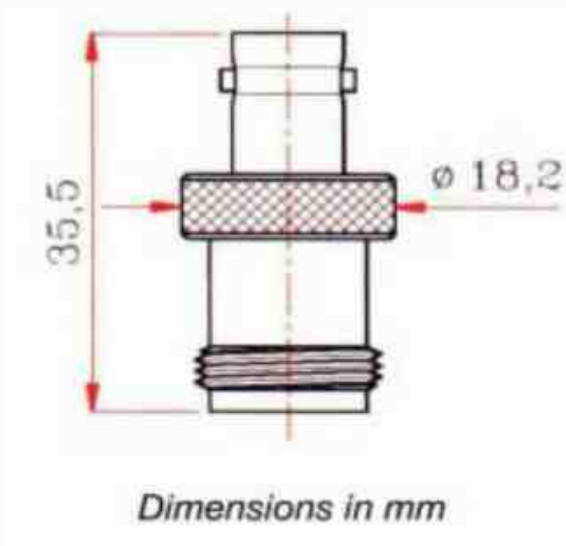


Fig.11 P/N 2023102



P/N 3013101 Fig.12

DRAWINGS COAXIAL ADAPTERS

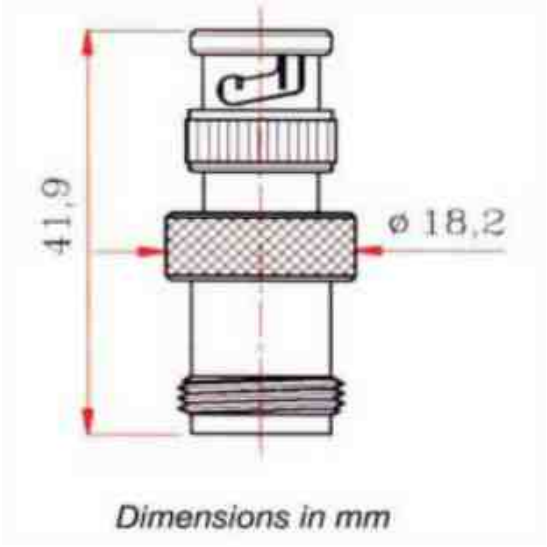
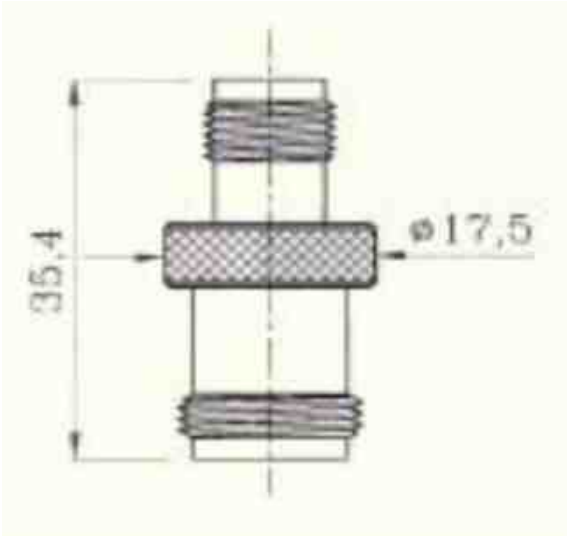


Fig.13 **P/N 3013102**



P/N 3013201 **Fig.14**

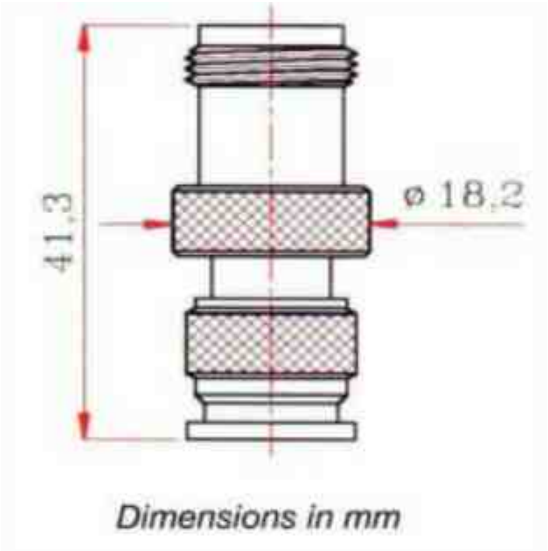
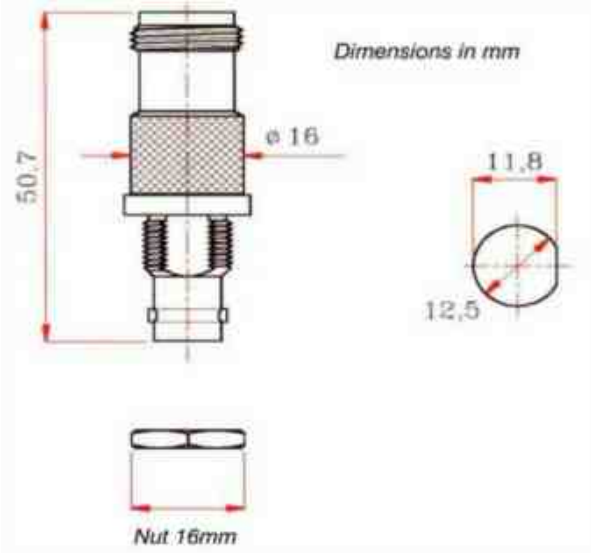


Fig.15 **P/N 3013202**



P/N 3017101 **Fig.16**

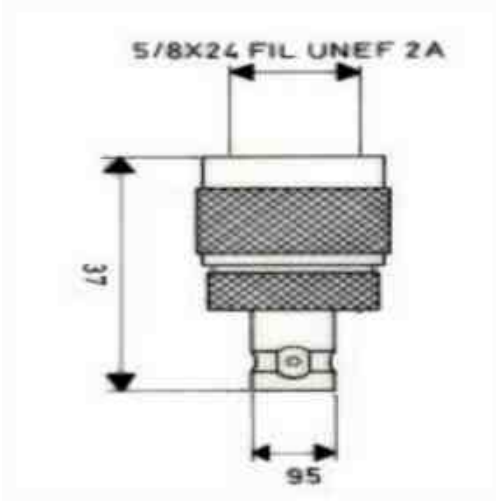
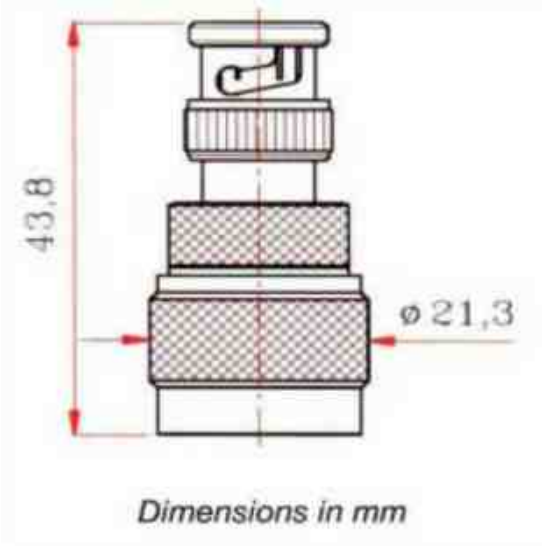


Fig.17 **P/N 3023101**



P/N 3023102 **Fig.18**

DRAWINGS COAXIAL ADAPTERS

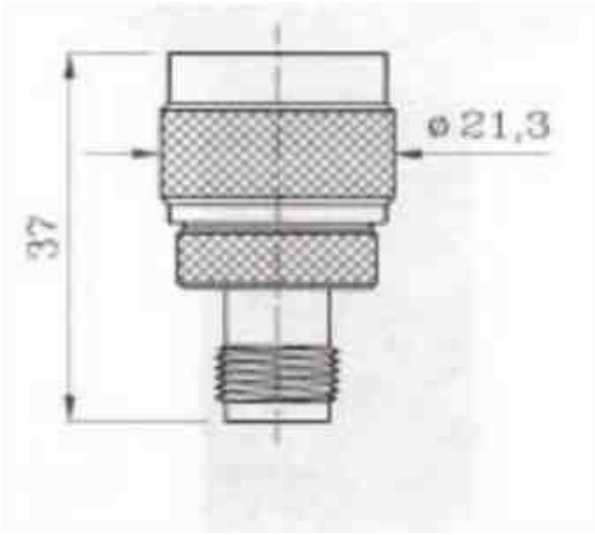
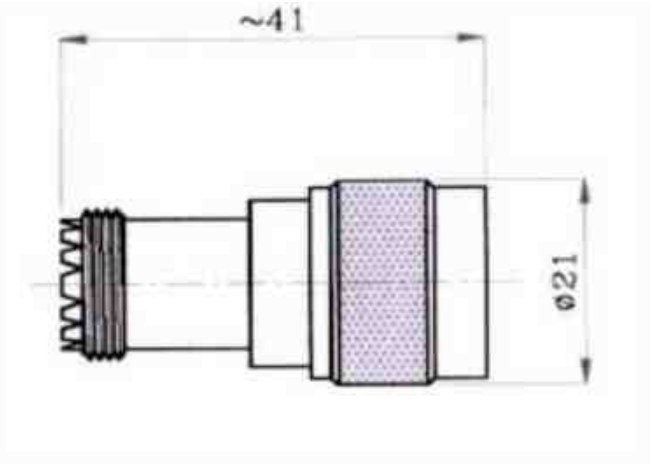


Fig.19 P/N 3023201



P/N 3023401 Fig.20

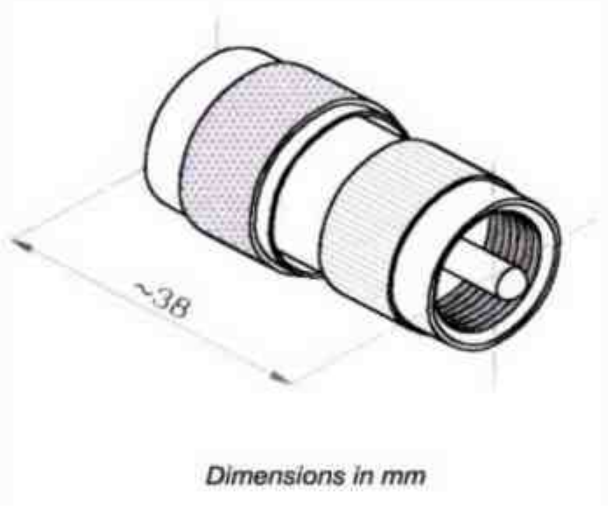
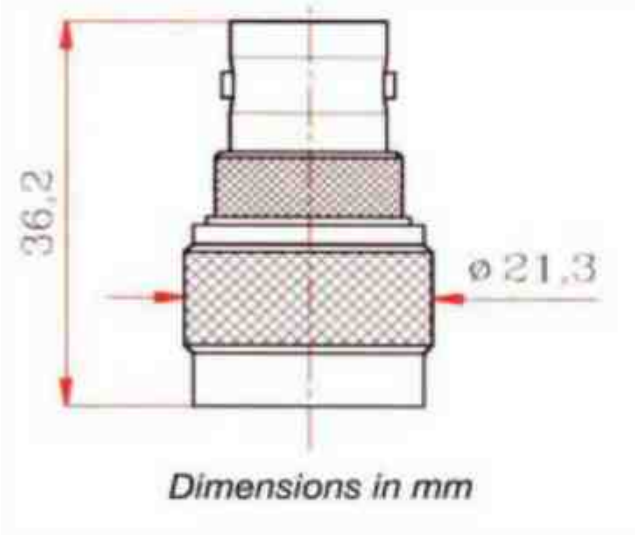


Fig.21 P/N 3023402



P/N 3113302 Fig.22

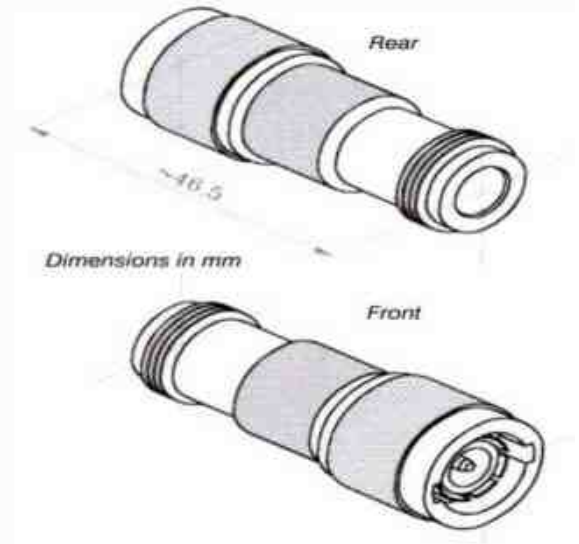
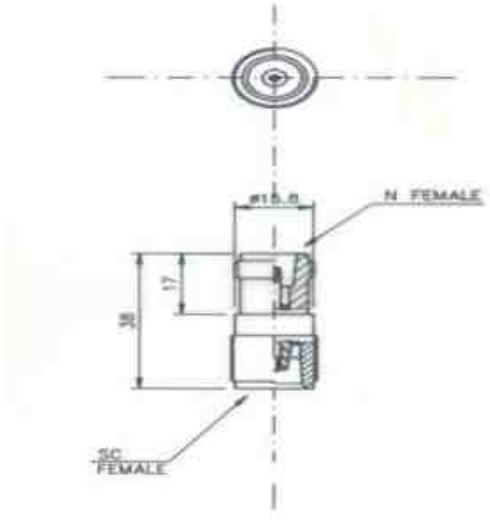


Fig.23 P/N 3123301



P/N 3213301 Fig.24

DRAWINGS COAXIAL ADAPTERS

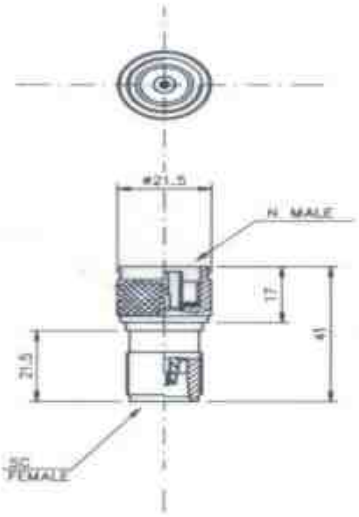
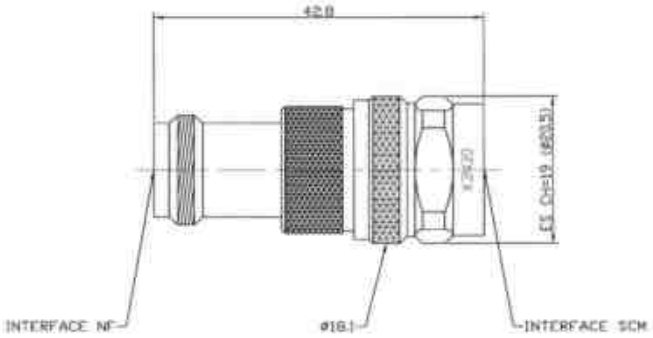


Fig.25 P/N 3213302



P/N 3223301 Fig.26

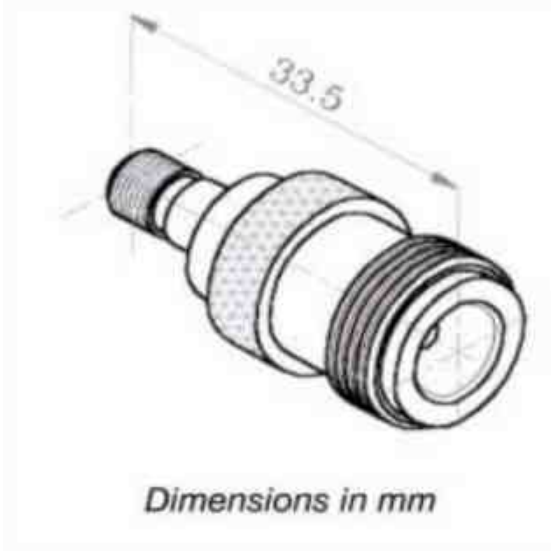
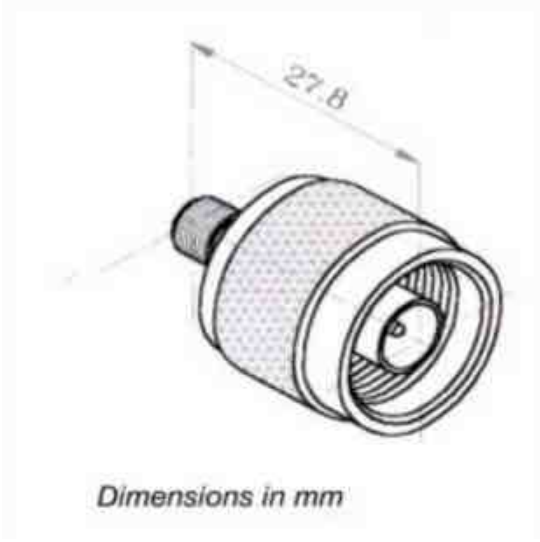


Fig.27 P/N 3313301



P/N 3313302 Fig.28

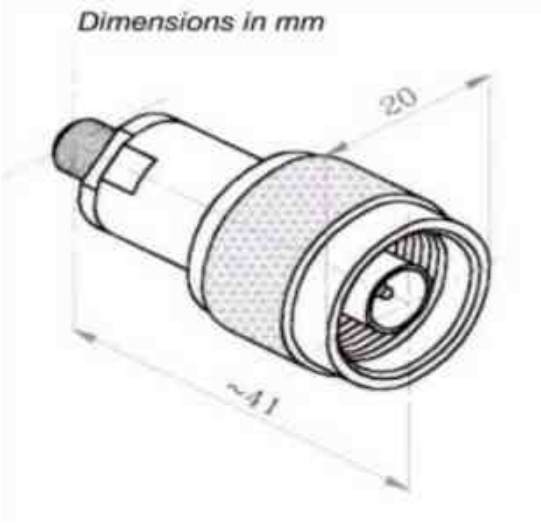
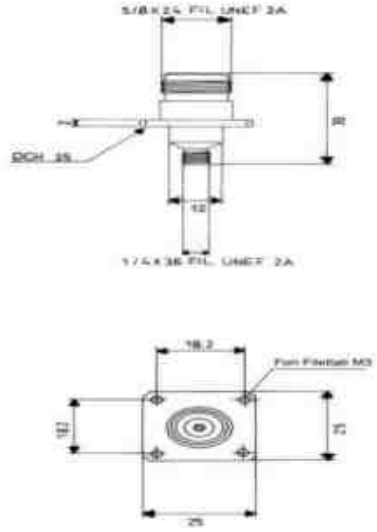


Fig.29 P/N 3313302LV



P/N 3315301 Fig.30

DRAWINGS COAXIAL ADAPTERS

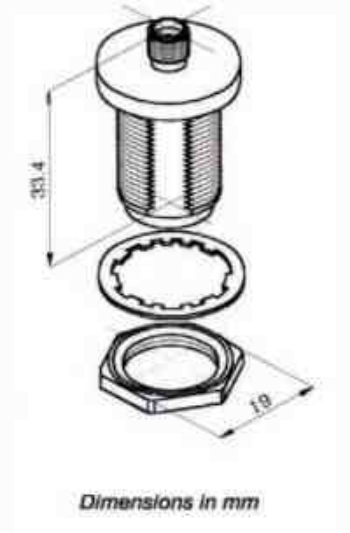
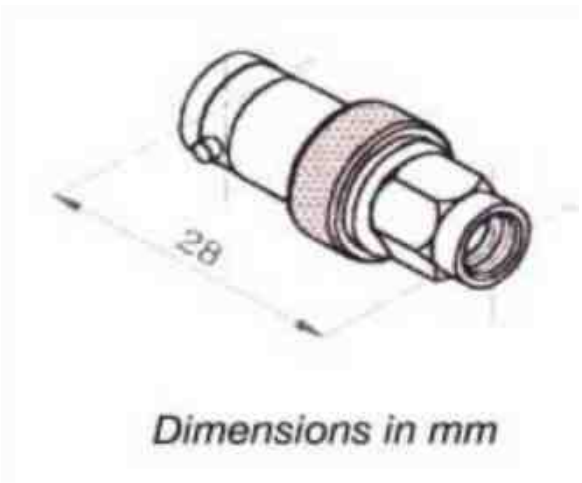


Fig.31 P/N 3317301



P/N 3323101 Fig.32

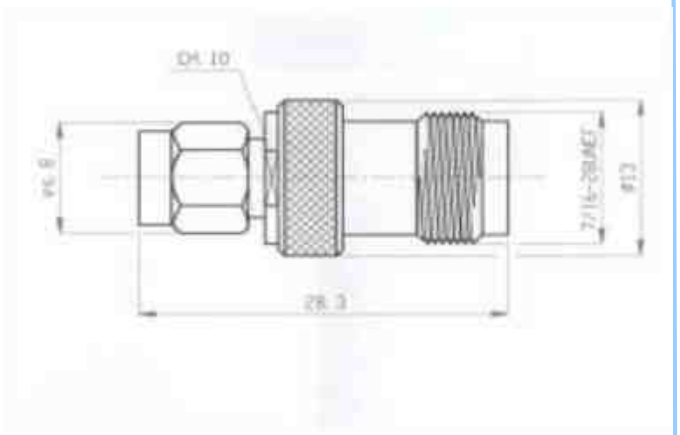
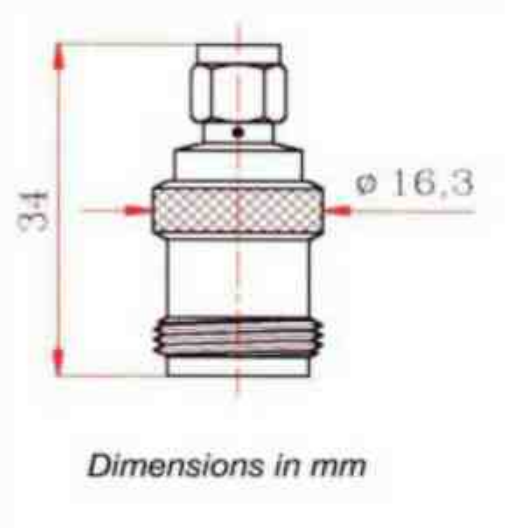


Fig.33 P/N 3323201



P/N 3323301 Fig.34

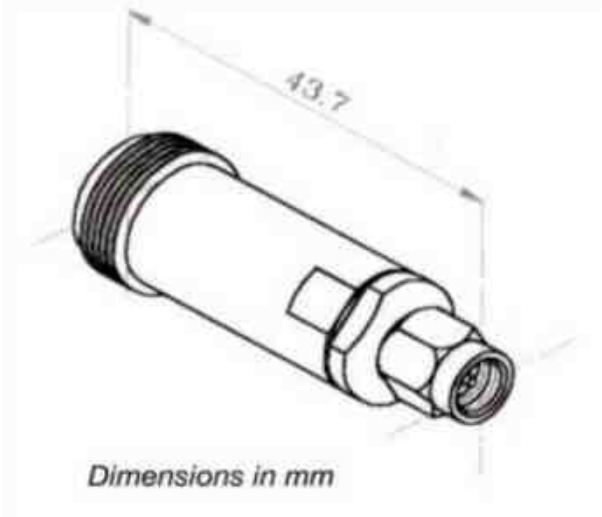
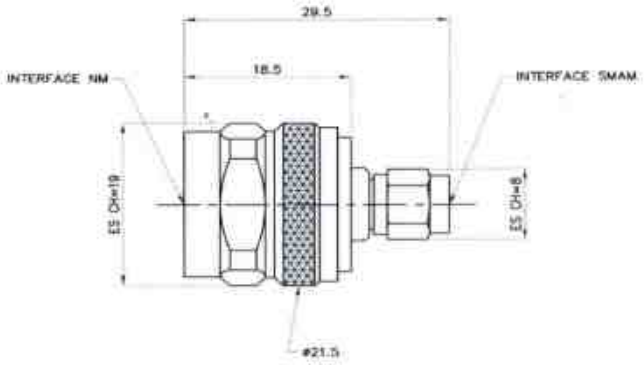


Fig.35 P/N 3323301LV



P/N 3323302 Fig.36

DRAWINGS COAXIAL ADAPTERS

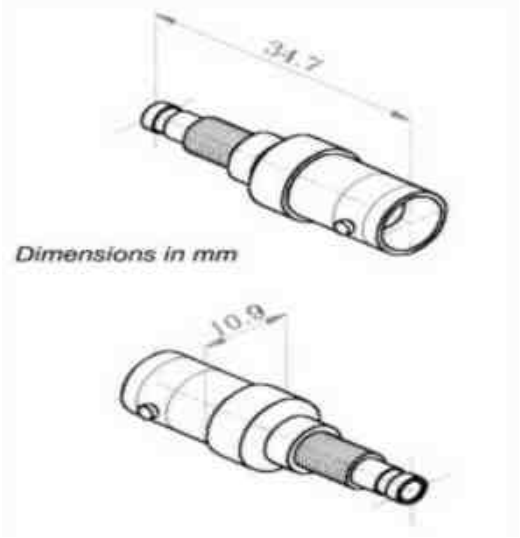
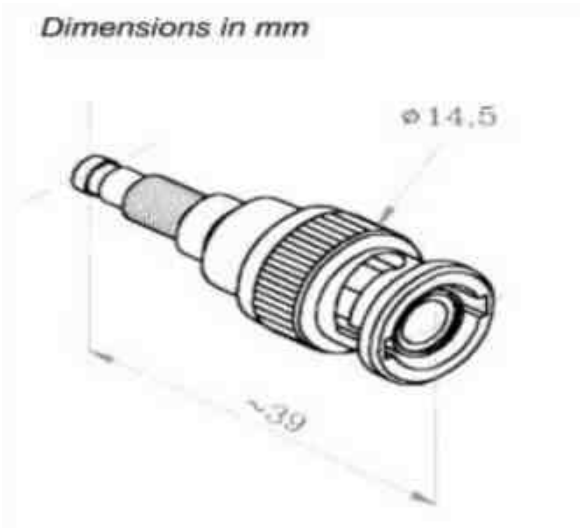


Fig.37 P/N 4213101



P/N 4213102 Fig.38

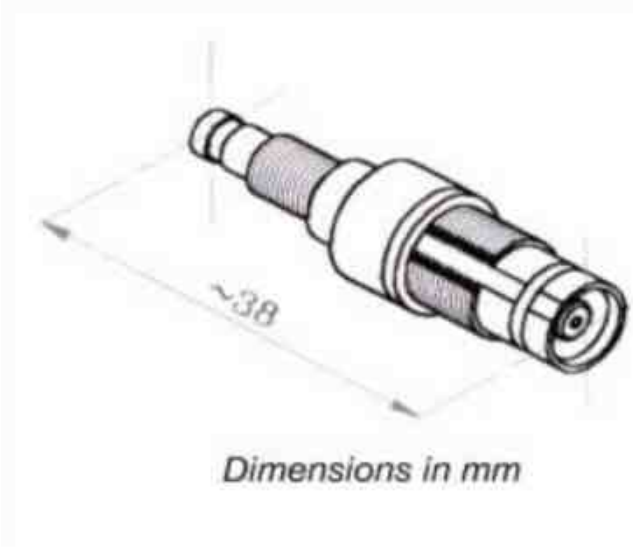
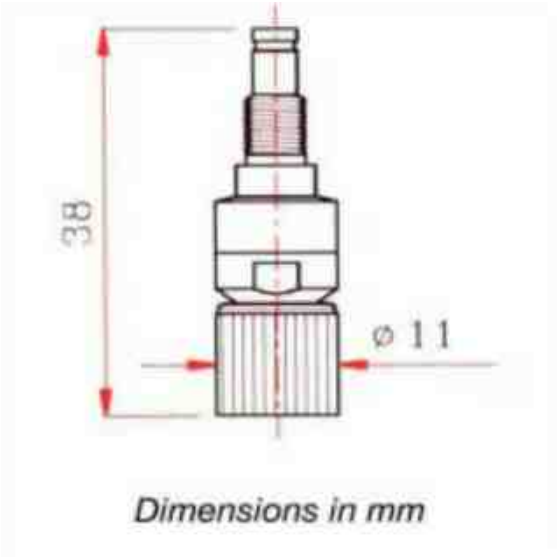


Fig.39 P/N 4213611



P/N 4213612 Fig.40

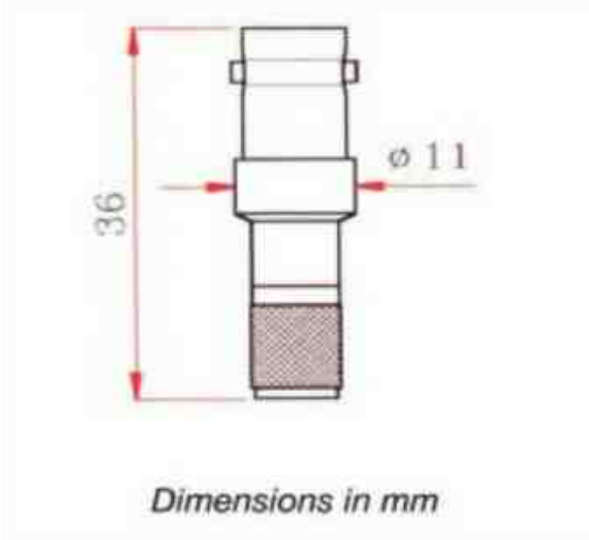
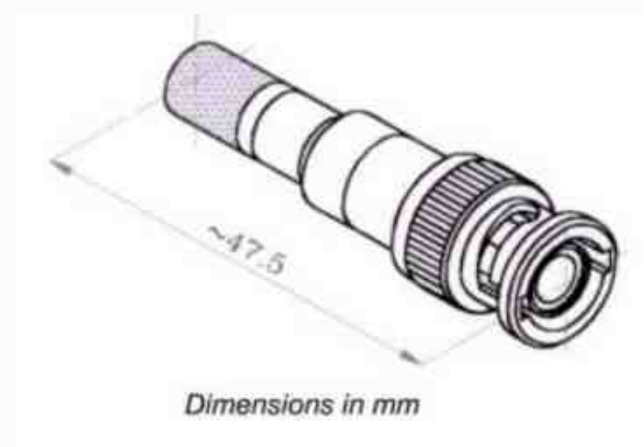


Fig.41 P/N 4223101



P/N 4223102 Fig.42

DRAWINGS COAXIAL ADAPTERS

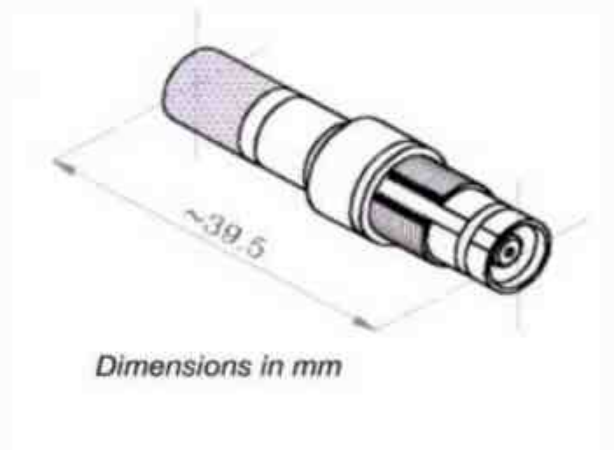
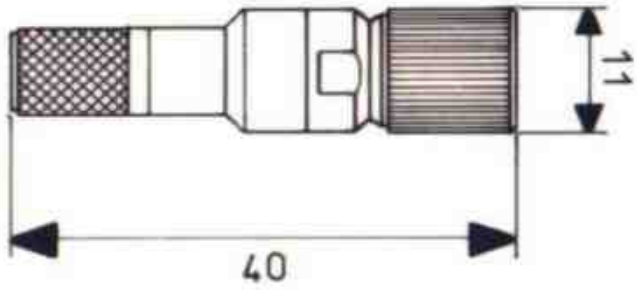


Fig.43 P/N 4223611



P/N 4223612 Fig.44

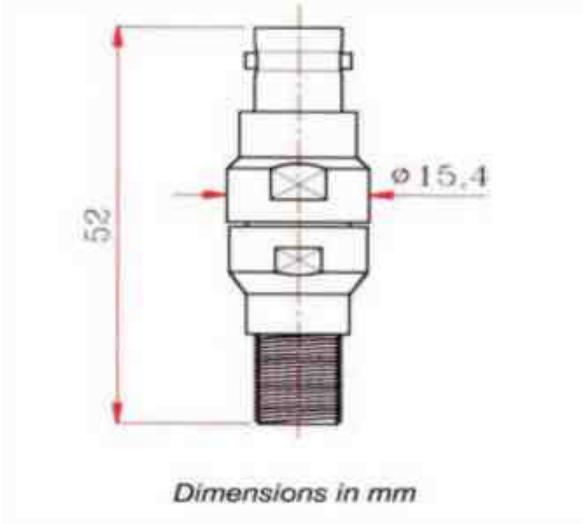
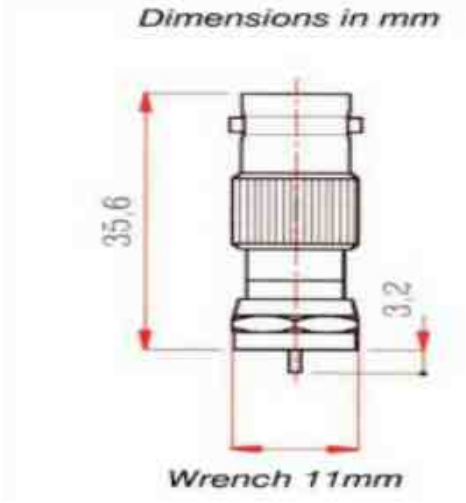


Fig.45 P/N 4413101



P/N 4423101 Fig.46

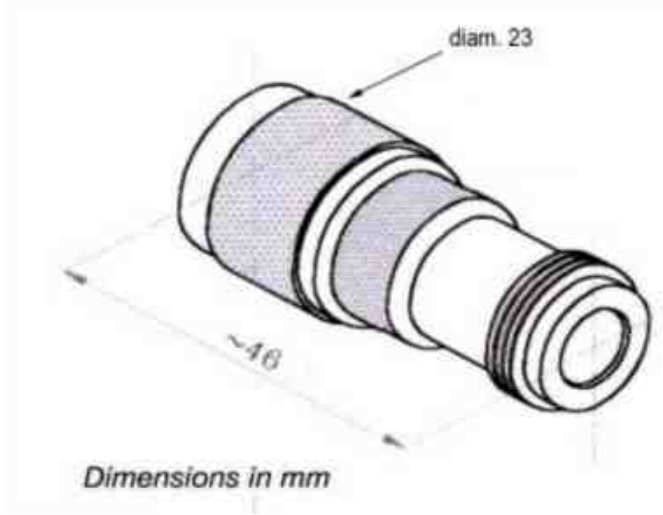
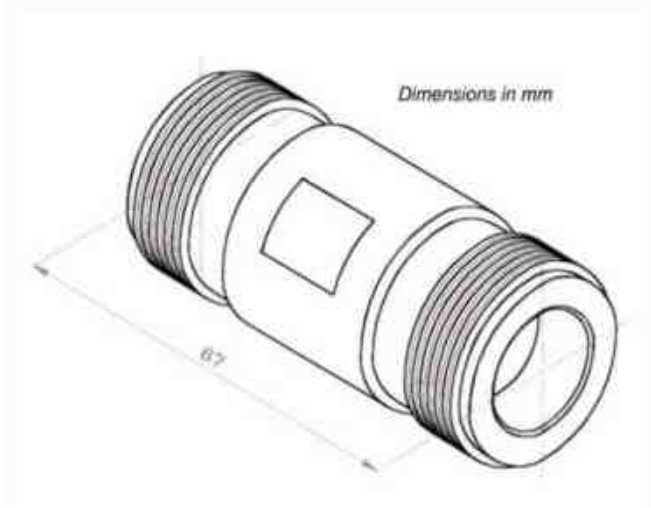


Fig.47 P/N 5023301



P/N 6013601 Fig.48

DRAWINGS COAXIAL ADAPTERS

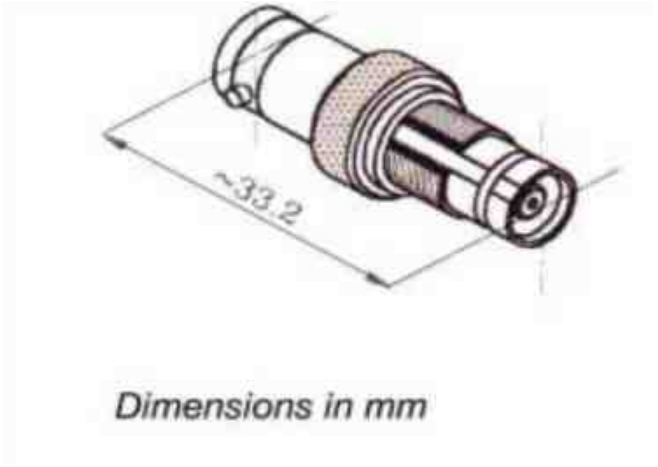
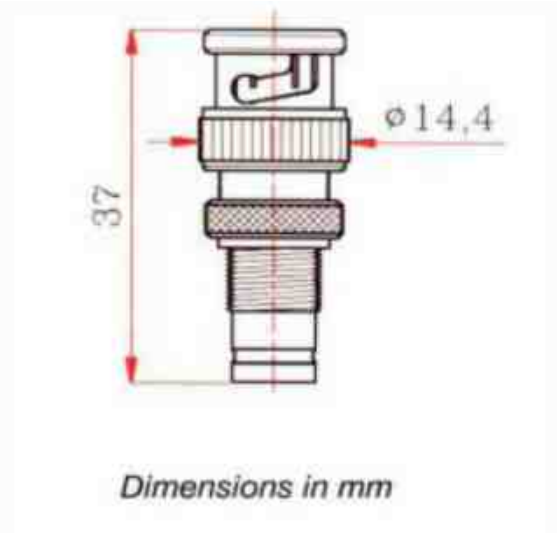


Fig.49 P/N 6113101



P/N 6113102 Fig.50

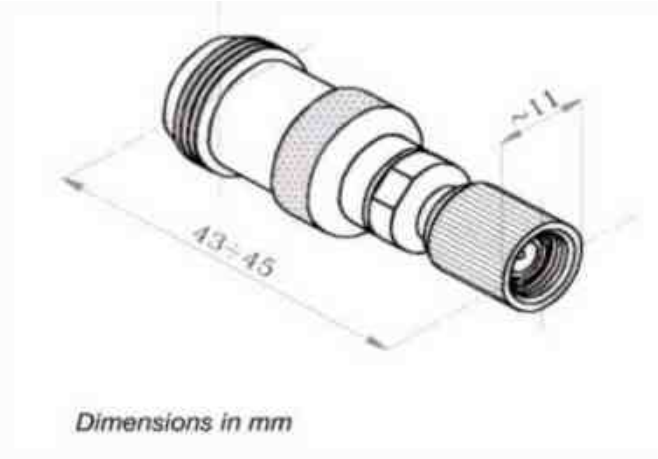
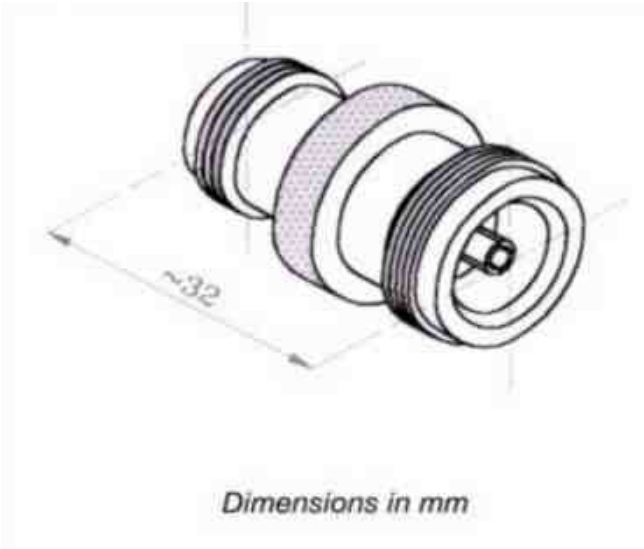


Fig.51 P/N 6123301



P/N 6813301 Fig.52

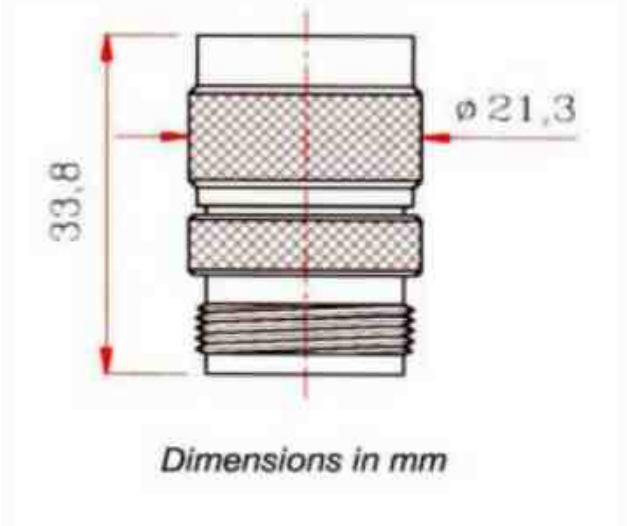
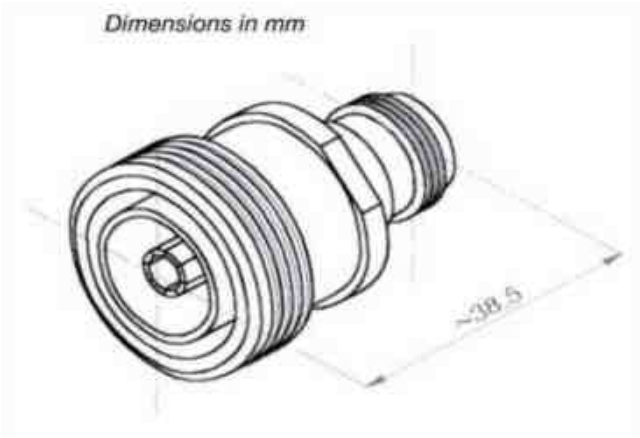


Fig.53 P/N 6813302

P/N 6823301 Fig.54

DRAWINGS COAXIAL ADAPTERS



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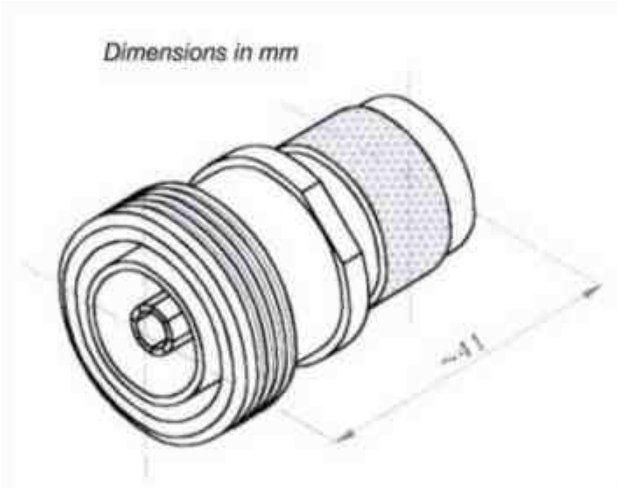


P/N 7013302 Fig.56

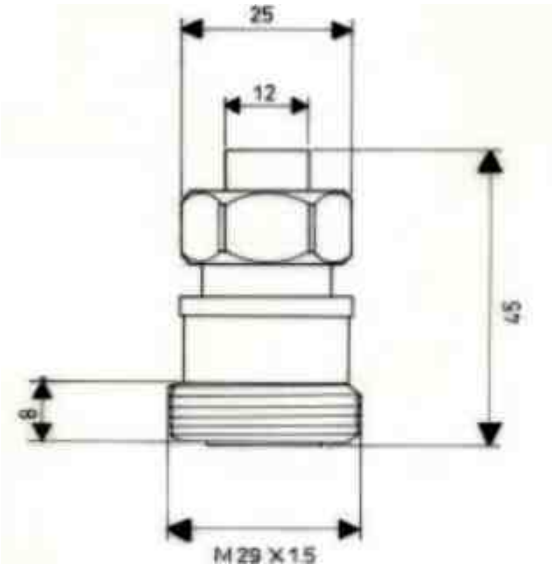
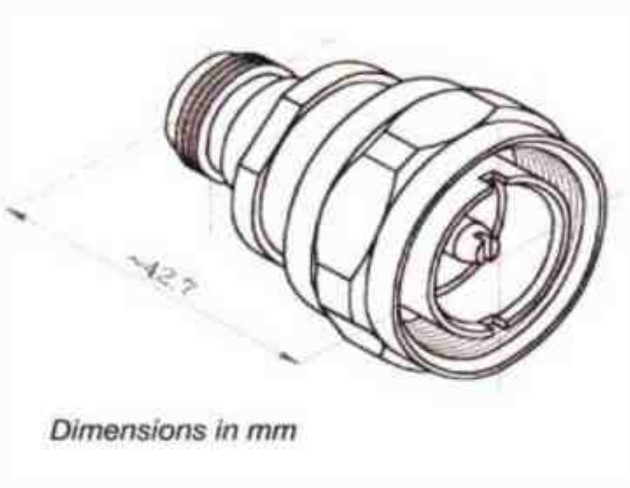


Fig.57 P/N 7013682



P/N 7023301 Fig.58

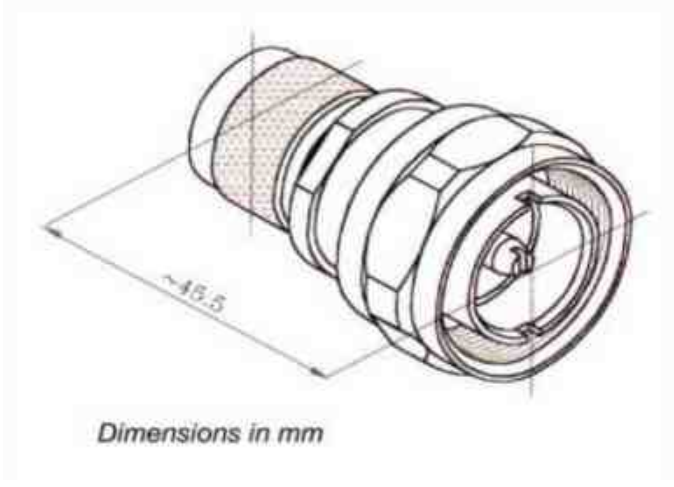
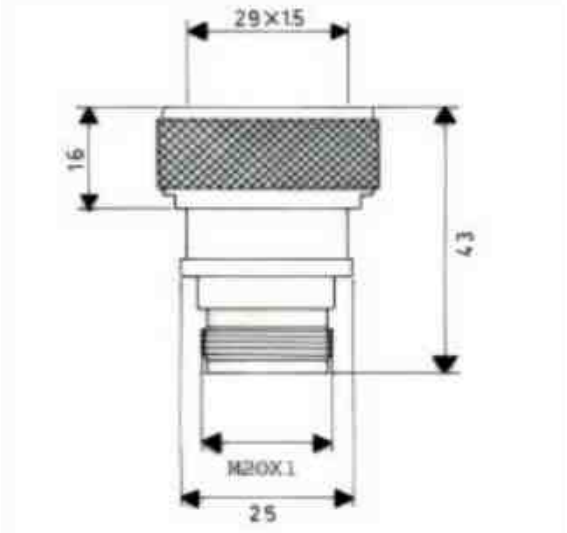


Fig.59 P/N 7023302



P/N 7023681 Fig.60

DRAWINGS COAXIAL ADAPTERS

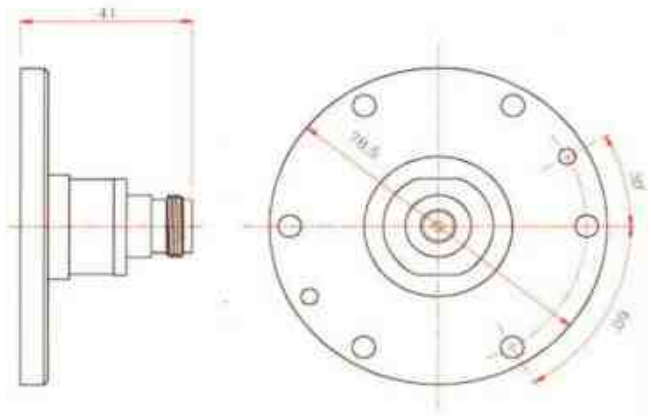
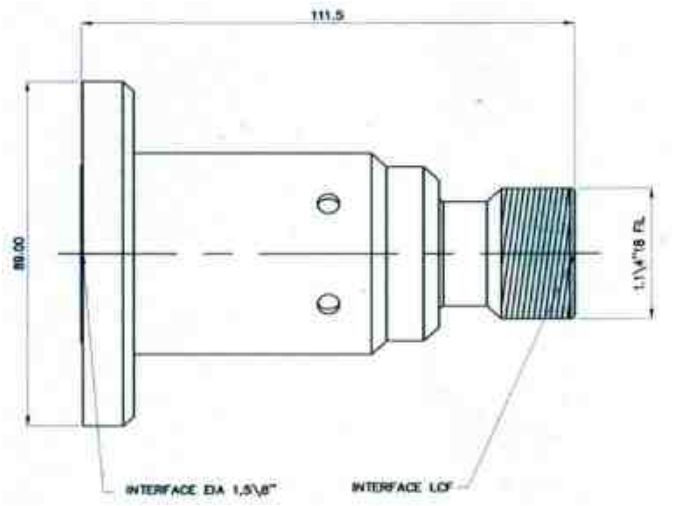


Fig.61 P/N 7403301

P/N 7503301 Fig.62



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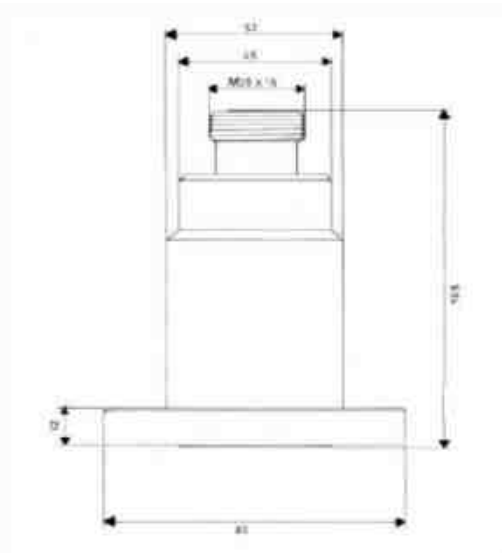


P/N 7503701 Fig.64

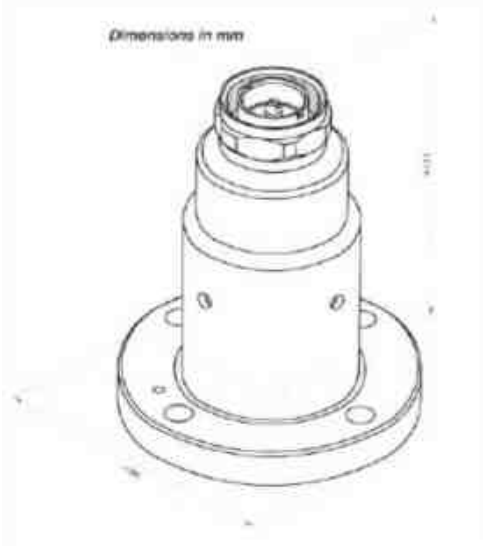
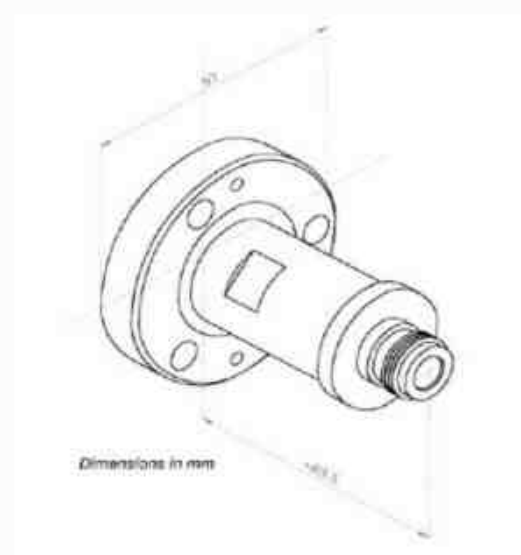


Fig.65 P/N 7503702



P/N 7803301 Fig.66

DRAWINGS COAXIAL ADAPTERS

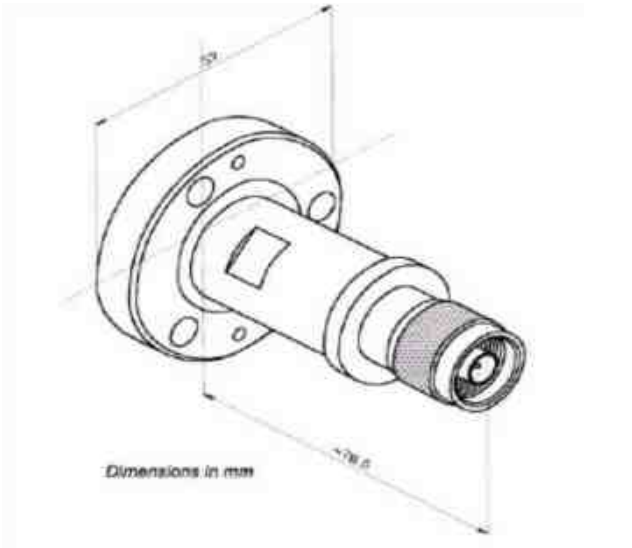


Fig.67 P/N 7803302

P/N 7803701 Fig.68

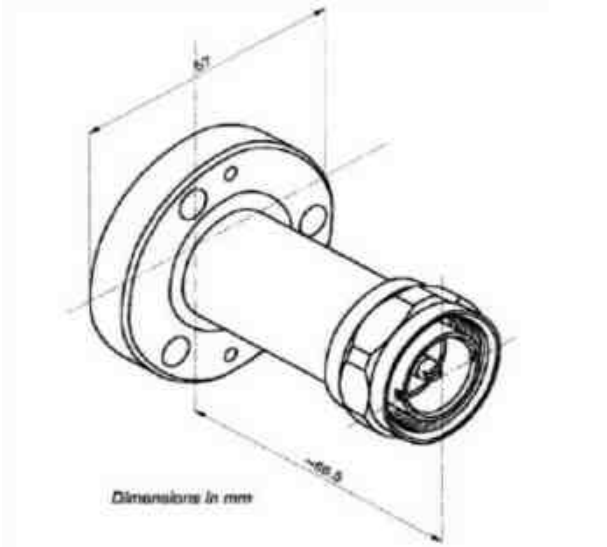
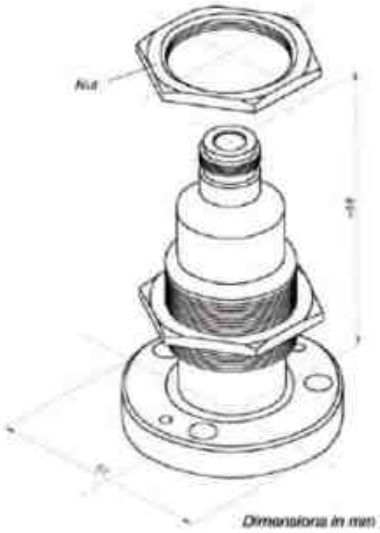
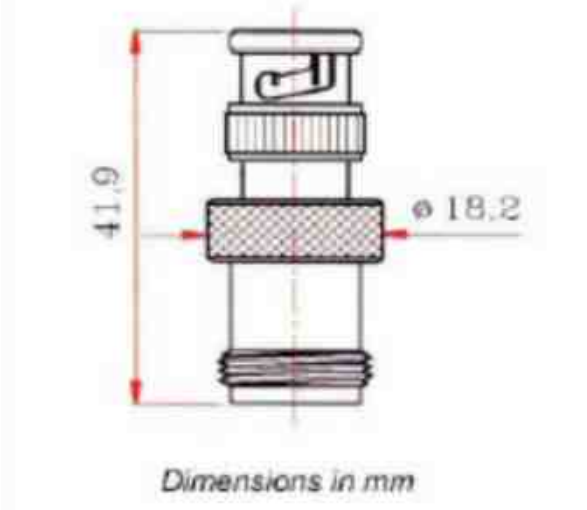


Fig.69 P/N 7803702



P/N 7807301 Fig.70

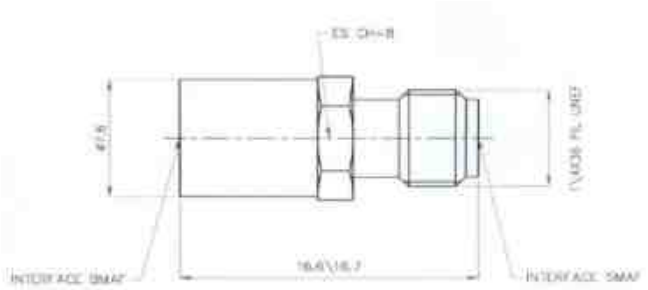
Fig.71 P/N 9713101



P/N 30131027 Fig.72

DRAWINGS COAXIAL ADAPTERS

Fig.73 P/N 30171017



P/N KS3313331 Fig.74

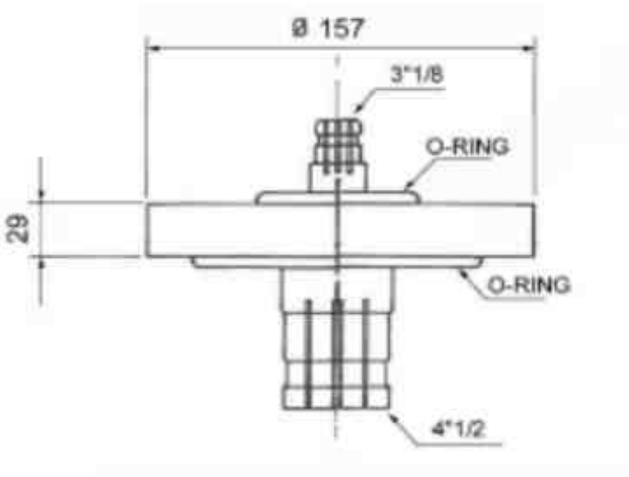
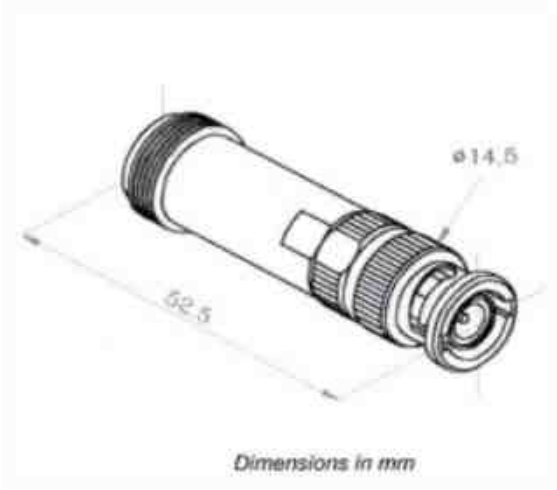


Fig.75 P/N 490373



P/N 3013102LV Fig.76

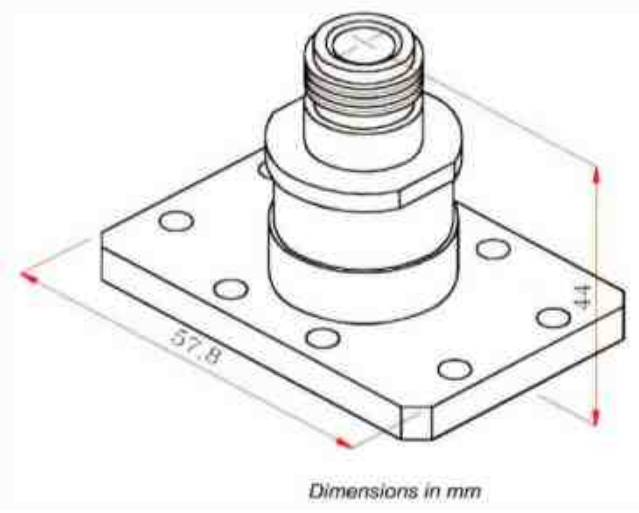
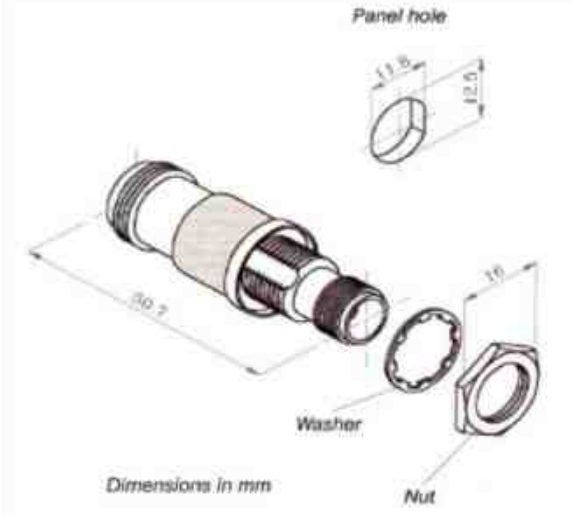


Fig.77 P/N UER7023301



P/N 3017201LV Fig.78

DRAWINGS COAXIAL ADAPTERS

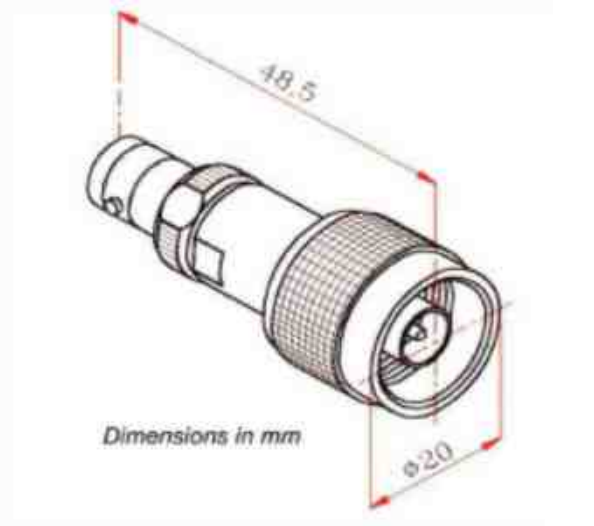
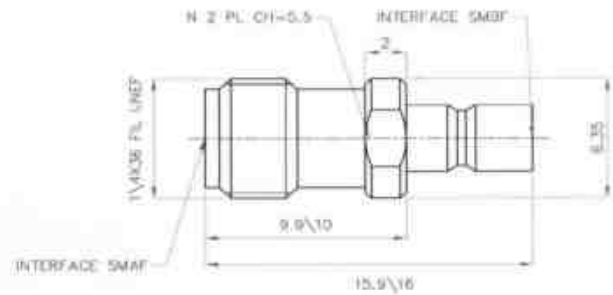


Fig.79 P/N 3023101LV



P/N 3313362 Fig.80

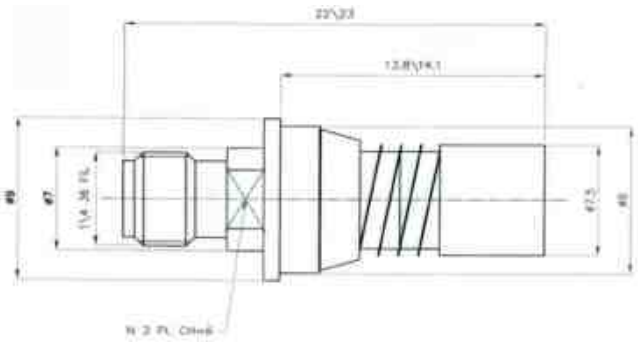
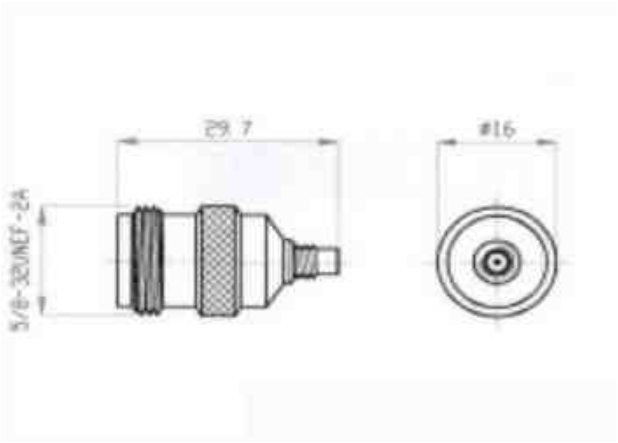


Fig.81 P/N KS3317331



P/N 3523301 Fig.82

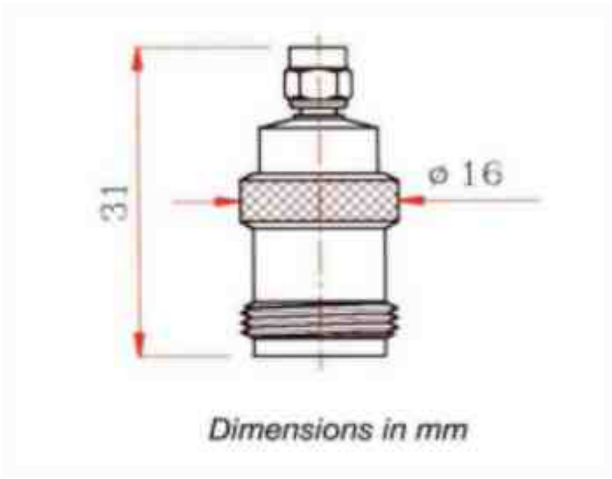
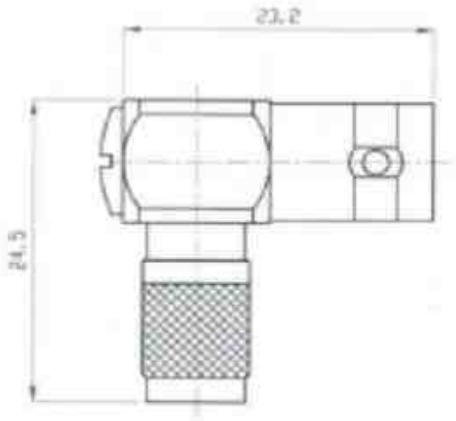


Fig.83 P/N 3513301



P/N 4224101 Fig.84

DRAWINGS COAXIAL ADAPTERS

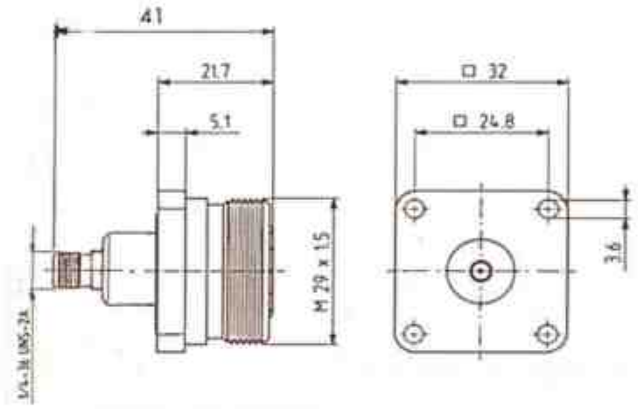
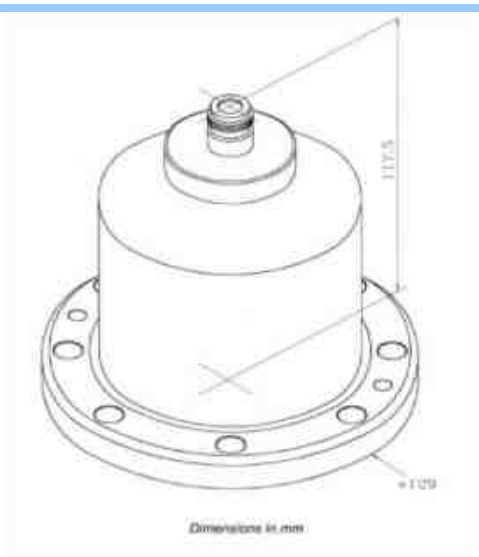


Fig.85 P/N 7016331



P/N 7303301 Fig.86

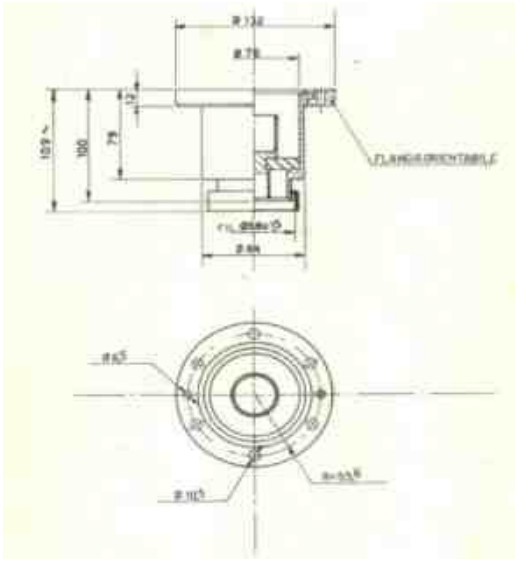
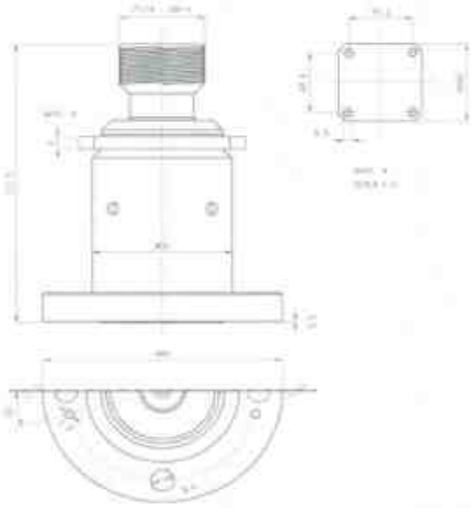


Fig.87 P/N 6313730



P/N 7505601 Fig.88

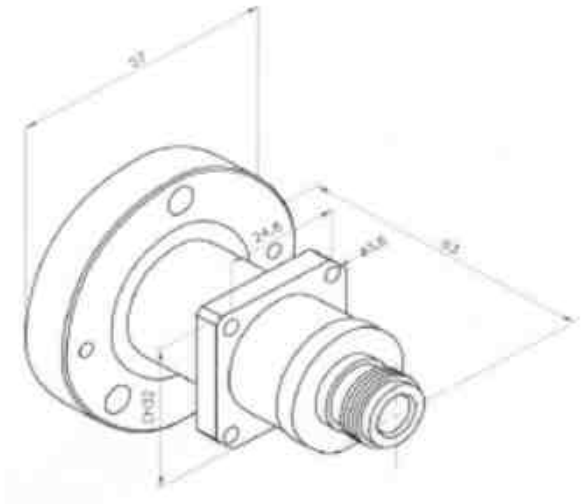
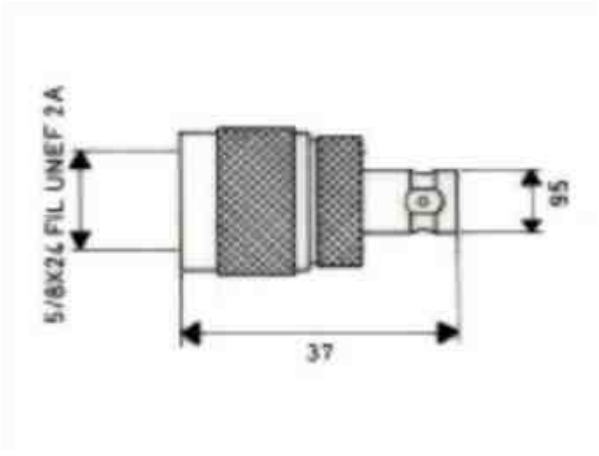


Fig.89 P/N 7805301



P/N 30231017 Fig.90

DRAWINGS COAXIAL ADAPTERS

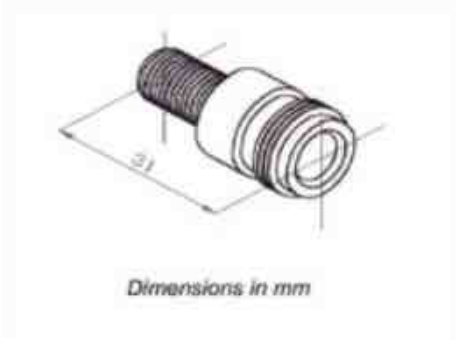
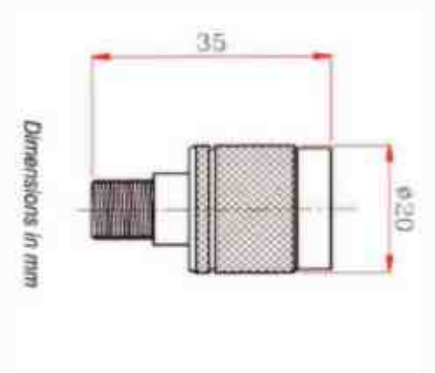


Fig.91 P/N 44133015



P/N 44133025 Fig.92

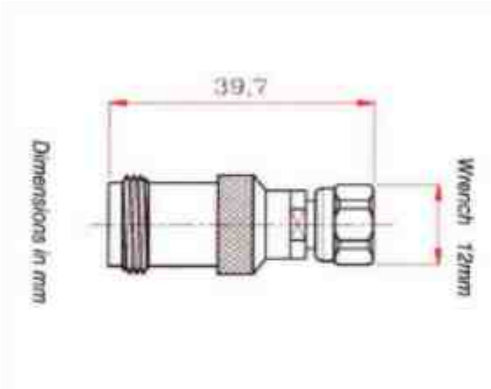
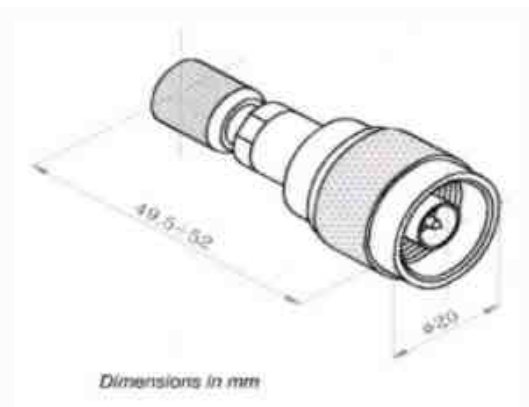


Fig.93 P/N 44233015



P/N 6123302 Fig.94

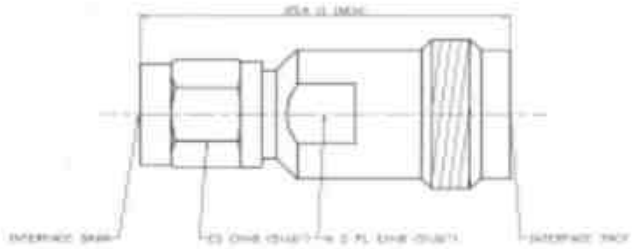
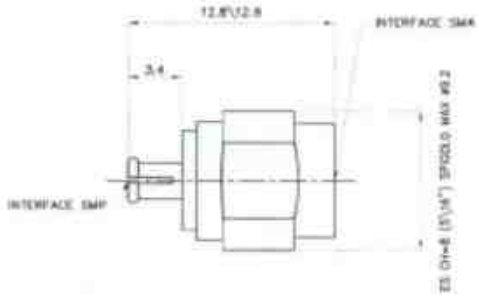


Fig.95 P/N ELT3323201



P/N KS2213332 Fig.96

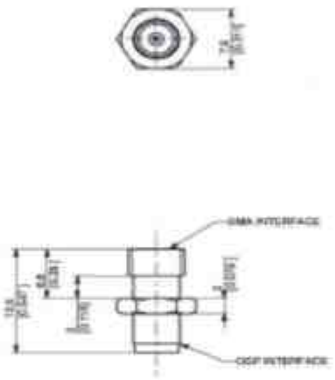
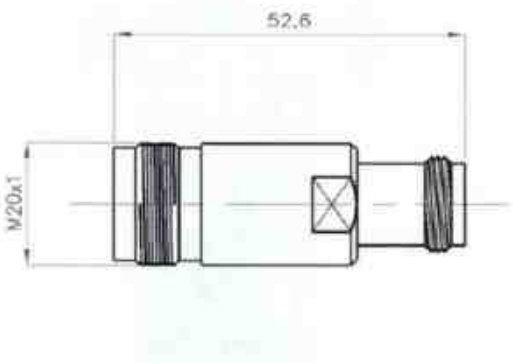


Fig.97 P/N KS3323331



P/N THT13301 Fig.98

DRAWINGS COAXIAL ADAPTERS

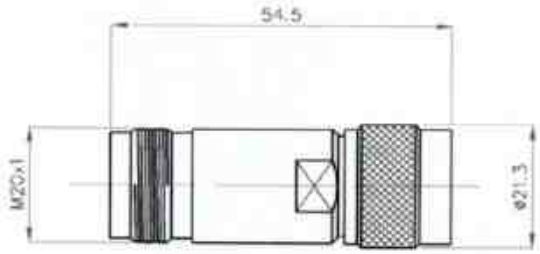
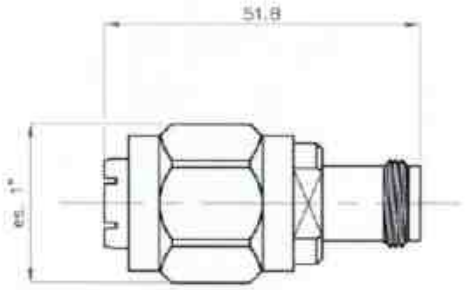


Fig.99 P/N THT13302



P/N THT23301 Fig.100

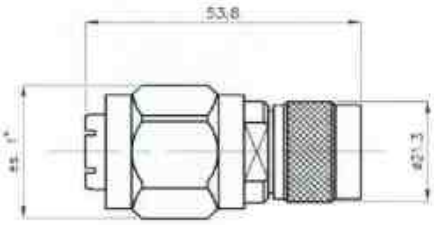
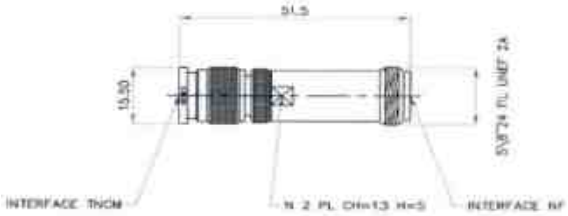


Fig.101 P/N THT23302



P/N 3013202LV Fig.102

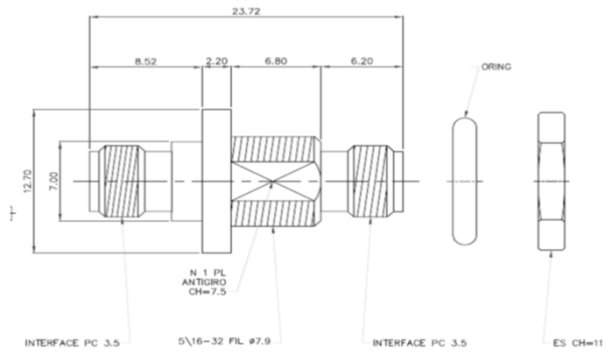
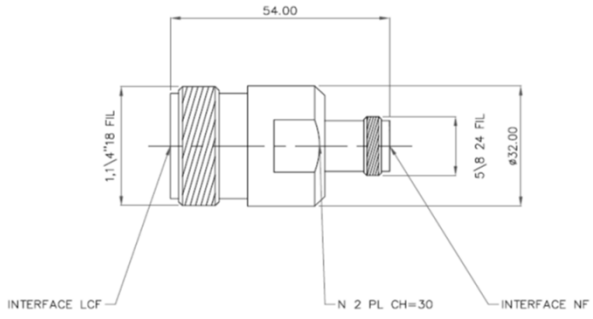


Fig.103 P/N 9517951



P/N 6013301 Fig.104

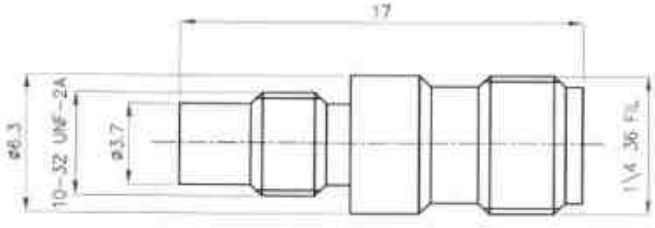
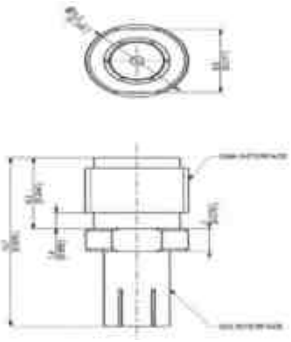


Fig.105 P/N 3523331



P/N 5713331 Fig.106

DRAWINGS COAXIAL ADAPTERS

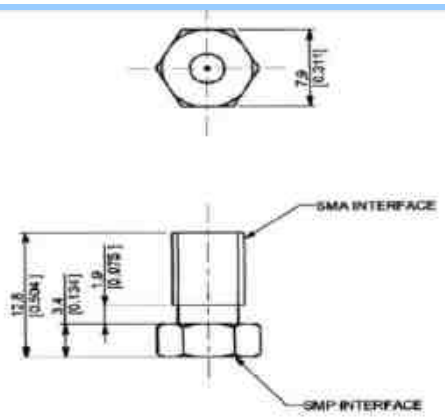
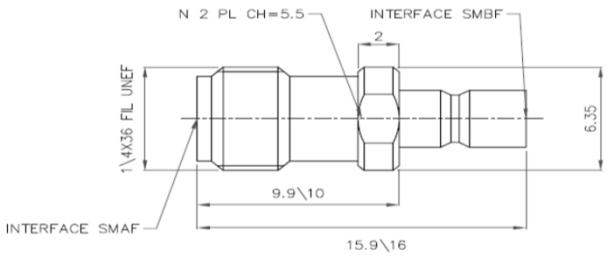


Fig.107 P/N KS2223331



P/N 3313361 Fig.108

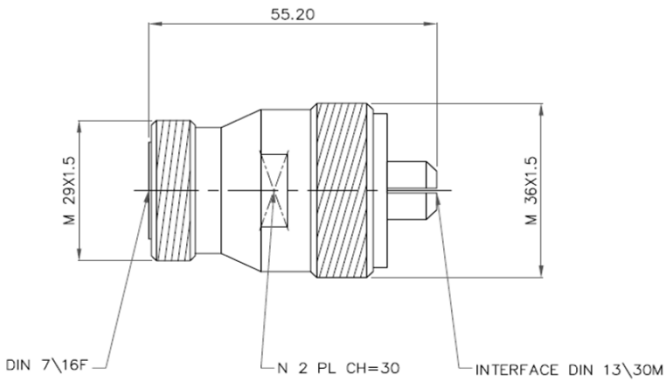
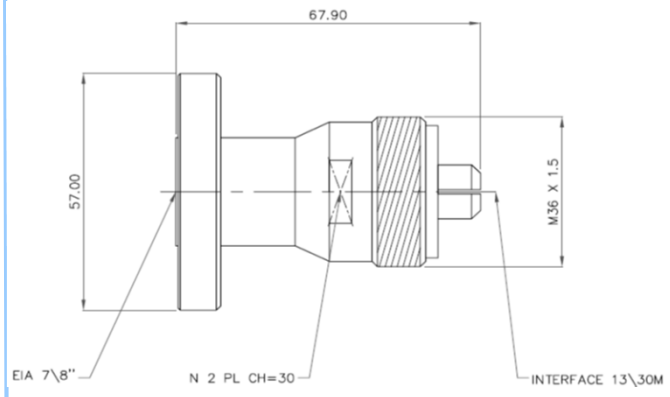


Fig.109 P/N 7123701



P/N 7123780 Fig.110

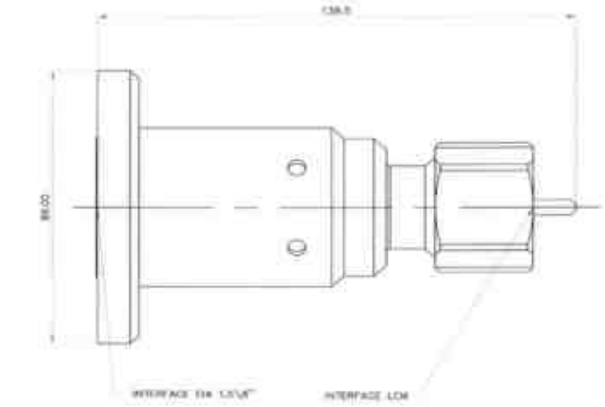
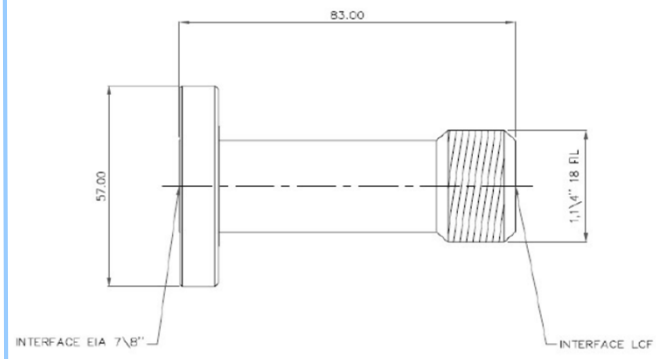


Fig.111 P/N 7503602



P/N 7803601 Fig.112

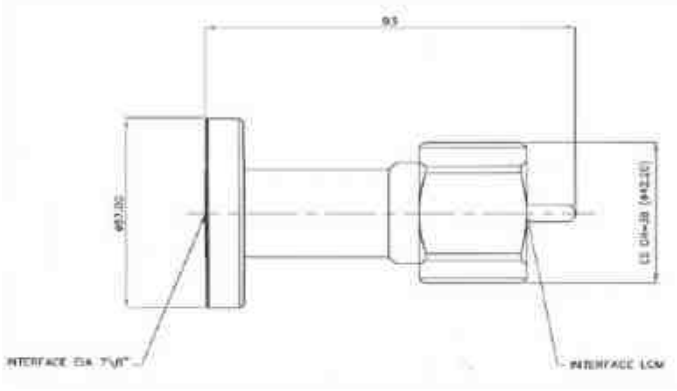
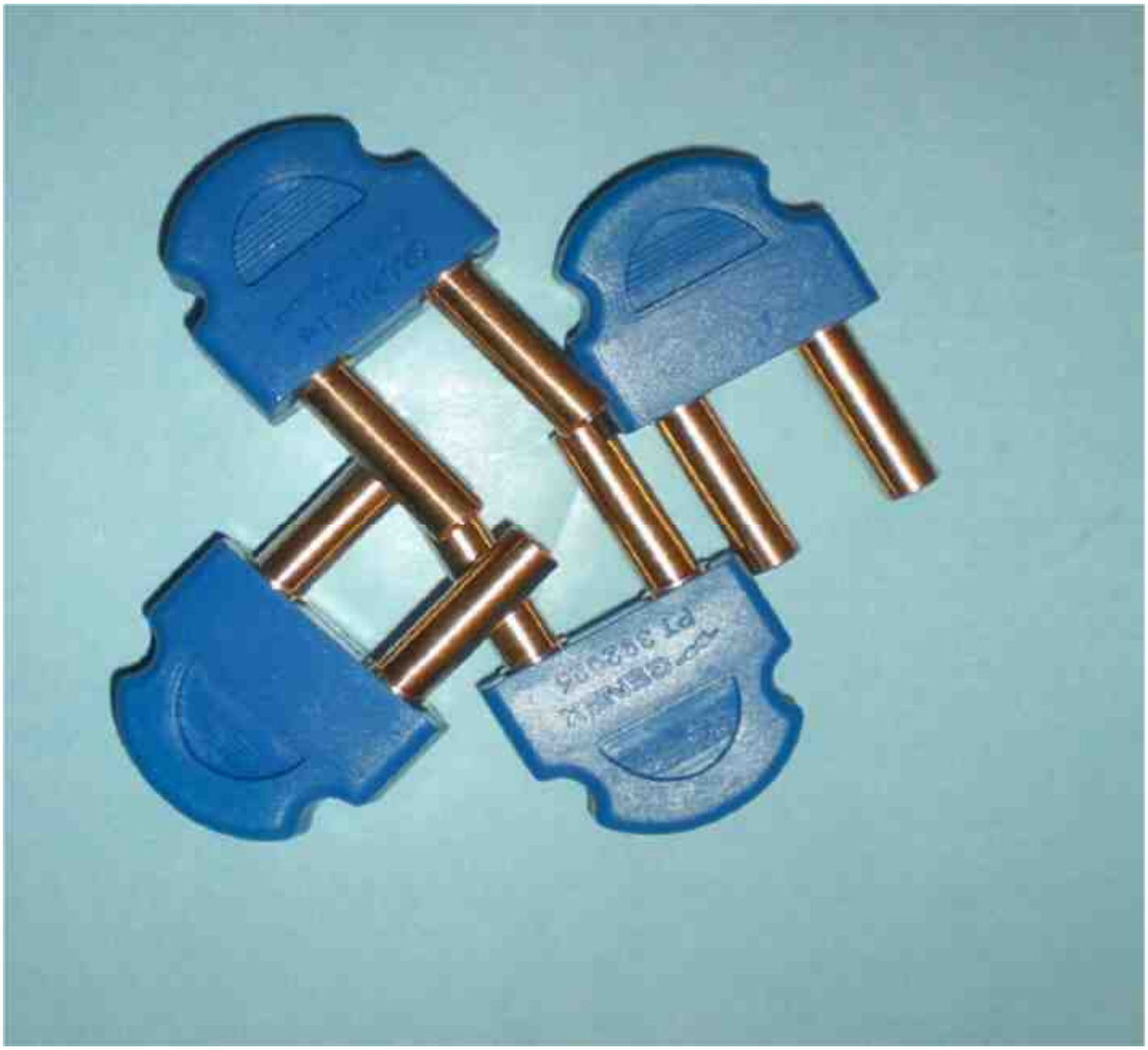


Fig.113 P/N 7803602

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

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

U-LINK 1.6/5.6 (N2)

P.N. GENEX RF	Description	Notes	Fig.
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

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

U-LINK SMZ

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

U-LINK 2.5/6 (N1)

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

U-LINK 1.0/2.3 (N3)

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

U-LINK EIA 7/8"

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

VIDEO U-LINK "FISCHIOTTO"

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

AUDIO U-LINK

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

DRAWINGS U-LINK

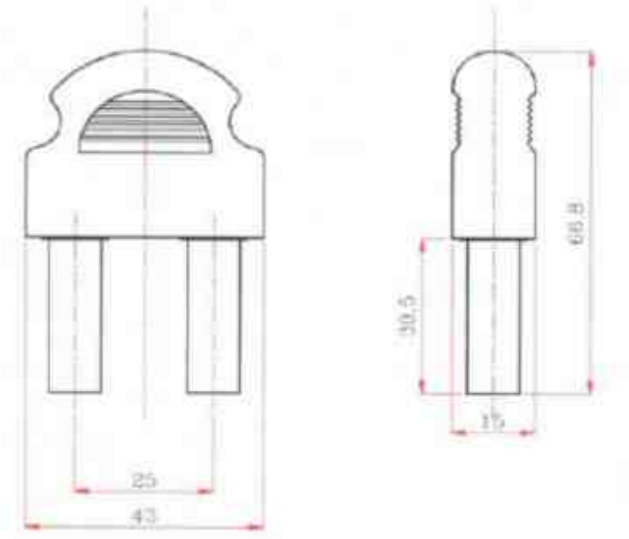
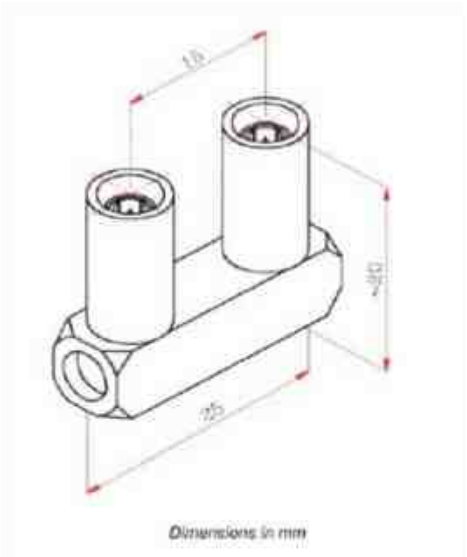


Fig.1 P/N PT392025



P/N PT422015 Fig.2

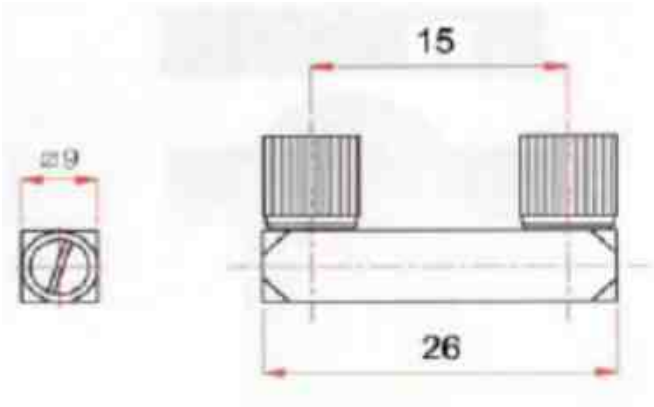
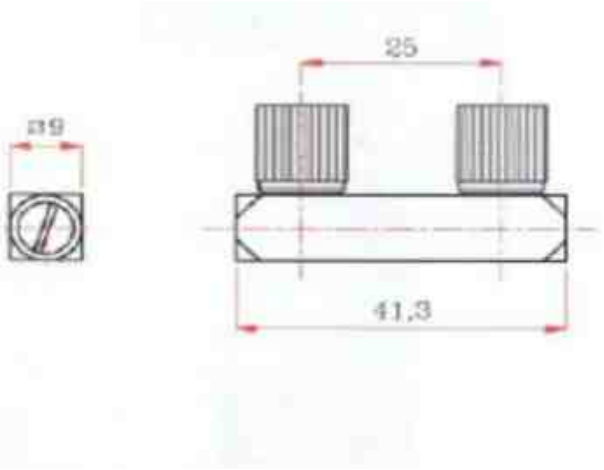


Fig.3 P/N PT6120..



P/N PT6220.. Fig.4

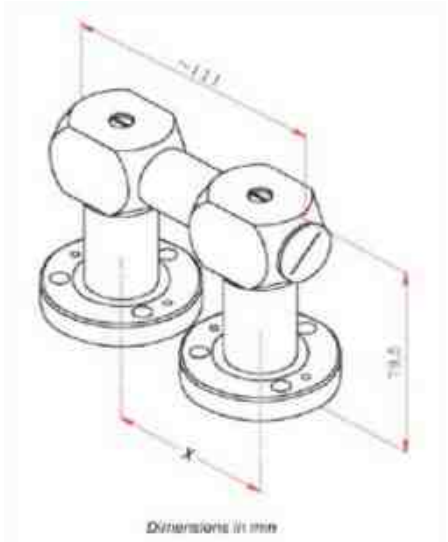
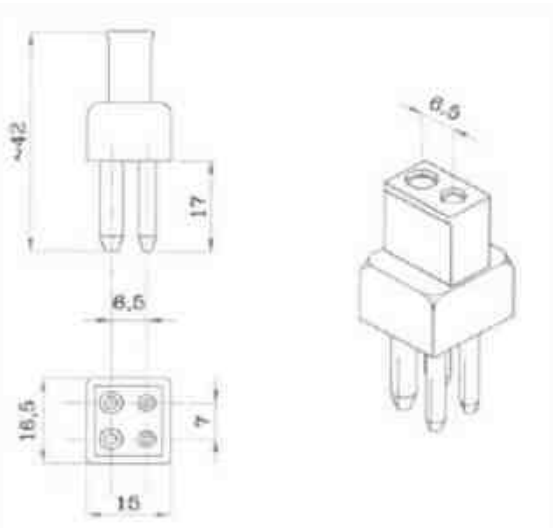


Fig.5 P/N PT7800..



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											
SEMIRIGID CABLES	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											
LOW LOSS CABLES	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											
ST CABLES		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 Micowave	0,051	0,073	0,10	0,15	0,20	0,23	0,27	0,31	0,34	0,36	0,39
HP950 TIMES Micowave	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 (1)

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 (1)

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				

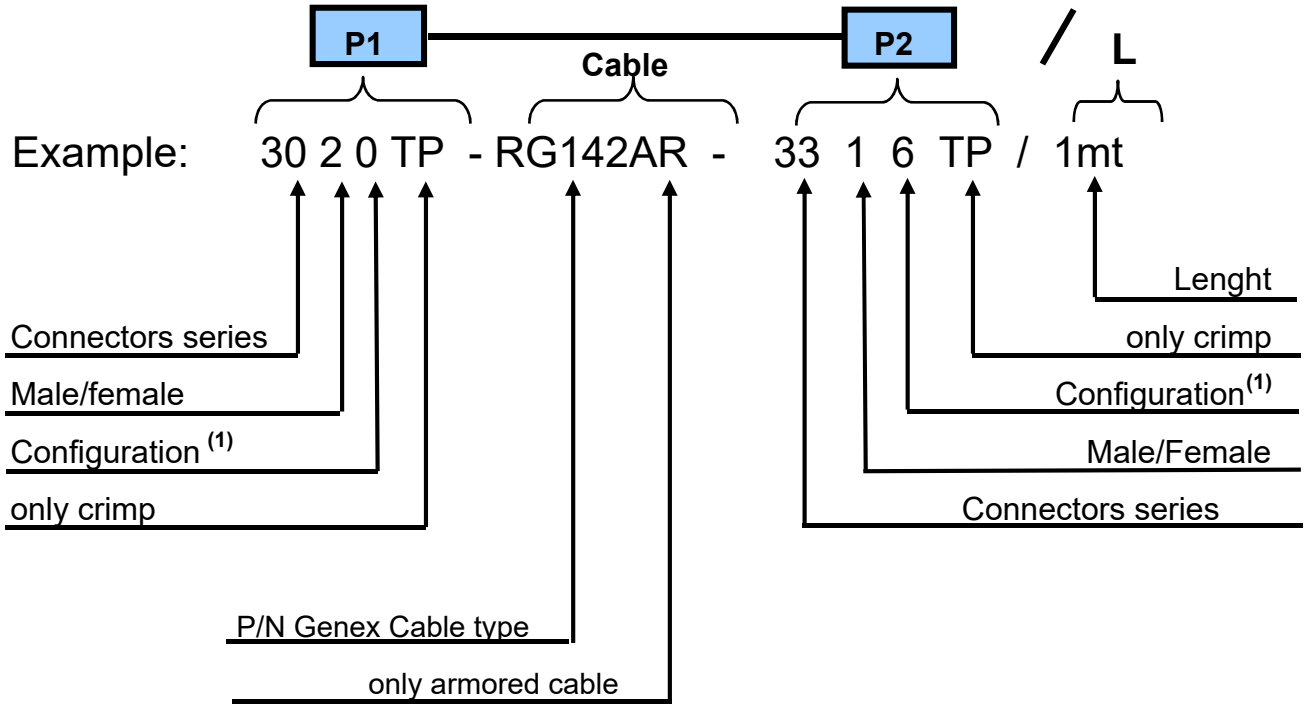
CORRUGATED CABLES AIR 50 Ω AVERAGE POWER				CORRUGATED CABLES AIR 75 Ω AVERAGE POWER			
FREQUENCY MHz	Kw			FREQUENCY MHz	Kw		
	1/2"	7/8"	1" 5/8		1/2"	7/8"	1" 5/8
0,5	10	54	180	0,5	7	29	98
1	10	54	145	1	7	29	98
2	10	44	110	2	7	29	98
10	7	22	48	10	5	14	55
20	5	15	34	20	3,5	10	37
30	4	12	27	30	2,9	8	30
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)

Cable	*P/N Genex*	*Imp.*
RG 5	RG 5	50 Ω
RG 6	RG 6	75 Ω
RG 8	RG 8	50 Ω
RG 9	RG 9	50 Ω
RG 11	RG 11	75 Ω
RG 13	RG 13	75 Ω
RG 14	RG 14	50 Ω
RG 17	RG 17	50 Ω
RG 19	RG 19	50 Ω
RG 34	RG 34	75 Ω
RG 58	RG 58	50 Ω
RG 59	RG 59	75 Ω
RG 62	RG 62	75 Ω
RG 71	RG 71	75 Ω
RG 115	RG 115	50 Ω
RG 122	RG 122	50 Ω
RG 141	RG 141	50 Ω
RG 142	RG 142	50 Ω
RG 174	RG 174	50 Ω
RG 178	RG 178	50 Ω
RG 179	RG 179	75 Ω
RG 187	RG 187	75 Ω
RG 188	RG 188	50 Ω
RG 196	RG 196	50 Ω
RG 212	RG 212	50 Ω
RG 213	RG 213	50 Ω
RG 214	RG 214	50 Ω
RG 216	RG 216	75 Ω
RG 217	RG 217	50 Ω
RG 218	RG 218	50 Ω
RG 220	RG 220	50 Ω
RG 223	RG 223	50 Ω
RG 225	RG 225	50 Ω
RG 303	RG 303	50 Ω
RG 316	RG 316	50 Ω
RG 393	RG 393	50 Ω

CORRUGATED CABLES

Cable	*P/N Genex*	*Imp.*
1/4” FOAM	CLX14	50 Ω
1/4” SUPERFLEX	HCF14	50 Ω
1/4” SUPERFLEX	HCF147	75 Ω
3/8” FOAM	CLX13	50 Ω
3/8” SUPERFLEX	HCF13	50 Ω
3/8” AIR	FLX38	50 Ω
1/2” FOAM	CLX12	50 Ω
1/2” FOAM	CLX127	75 Ω
1/2” SUPERFLEX	HCF12	50 Ω
1/2” SUPERFLEX	HCF127	75 Ω
1/2” AIR	FLX12	50 Ω
1/2” AIR	FLX127	75 Ω
5/8” FOAM	CLX58	50 Ω
5/8” AIR	FLX58	50 Ω
5/8” AIR	FLX587	75 Ω
7/8” FOAM	CLX78	50 Ω
7/8” FOAM	CLX787	75 Ω
7/8” AIR	FLX78	50 Ω
7/8” AIR	FLX787	75 Ω
1”1/8 AIR	FLX18	50 Ω
1”1/8 AIR	FLX187	75 Ω
1”1/4 FOAM	CLX19	50 Ω
1”1/4 RADIAFLEX	RDF19	50 Ω
1”5/8 FOAM	CLX15	50 Ω
1”5/8 AIR	FLX15	50 Ω
1”5/8 AIR	FLX157	75 Ω
1”5/8 RADIAFLEX	RDF15	50 Ω
2"1/4 FOAM	CLX21	50 Ω
3” AIR	FLX29	50 Ω
3”1/8 AIR	FLX31	50 Ω
4”1/8 AIR	FLX40	50 Ω
4"1/2 AIR	FLX42	50 Ω
5” AIR	FLX55	50 Ω
6”1/8 AIR	FLX41	50 Ω

SEMIRIGID CABLES

Cable	*P/N Genex*	*Imp.*
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

Cable	*P/N Genex*	*Imp.*
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

Cable	*P/N Genex*	*Imp.*
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

Cable	*P/N Genex*	*Imp.*
MULTIFLEX 0.86	MLT86	50 Ω
MULTIFLEX .141	MLT141	50 Ω

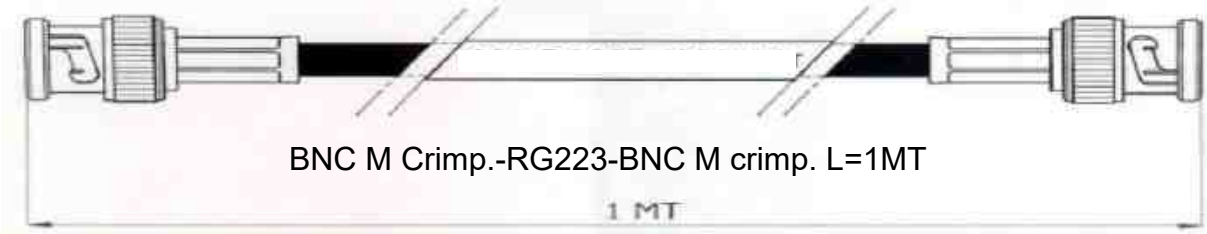
ST CABLES

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

Cable	*P/N Genex*	*Imp.*

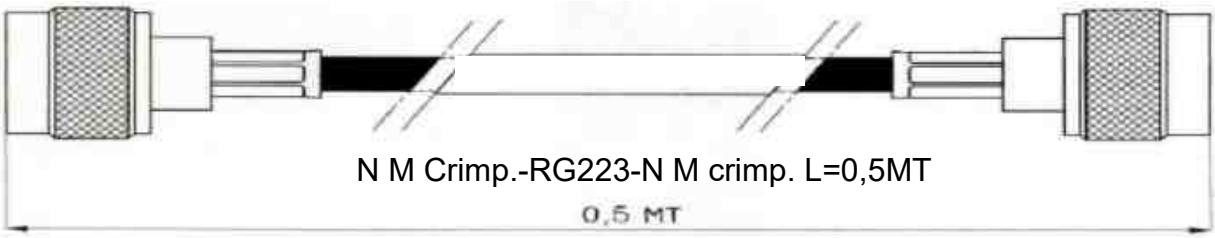
EXAMPLES OF DRAWINGS OF CABLE ASSEMBLIES

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



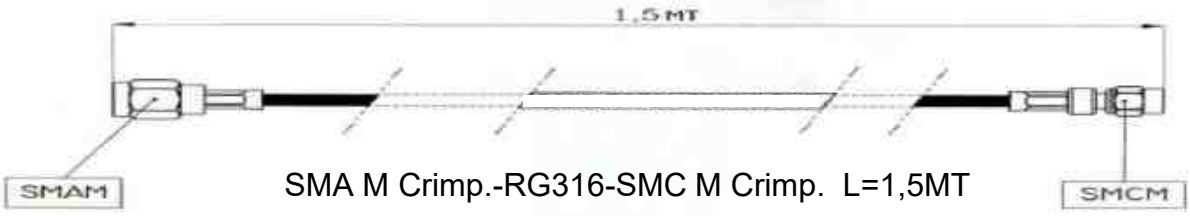
BNC M Crimp.-RG223-BNC M crimp. L=1MT

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



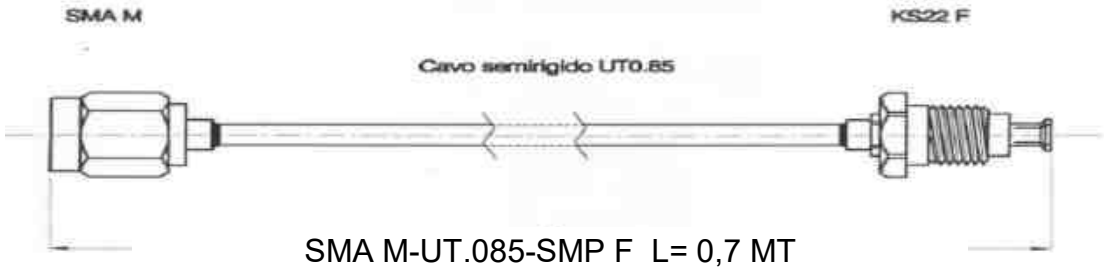
N M Crimp.-RG223-N M crimp. L=0,5MT

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



SMA M Crimp.-RG316-SMC M Crimp. L=1,5MT

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



SMA M-UT.085-SMP F L= 0,7 MT

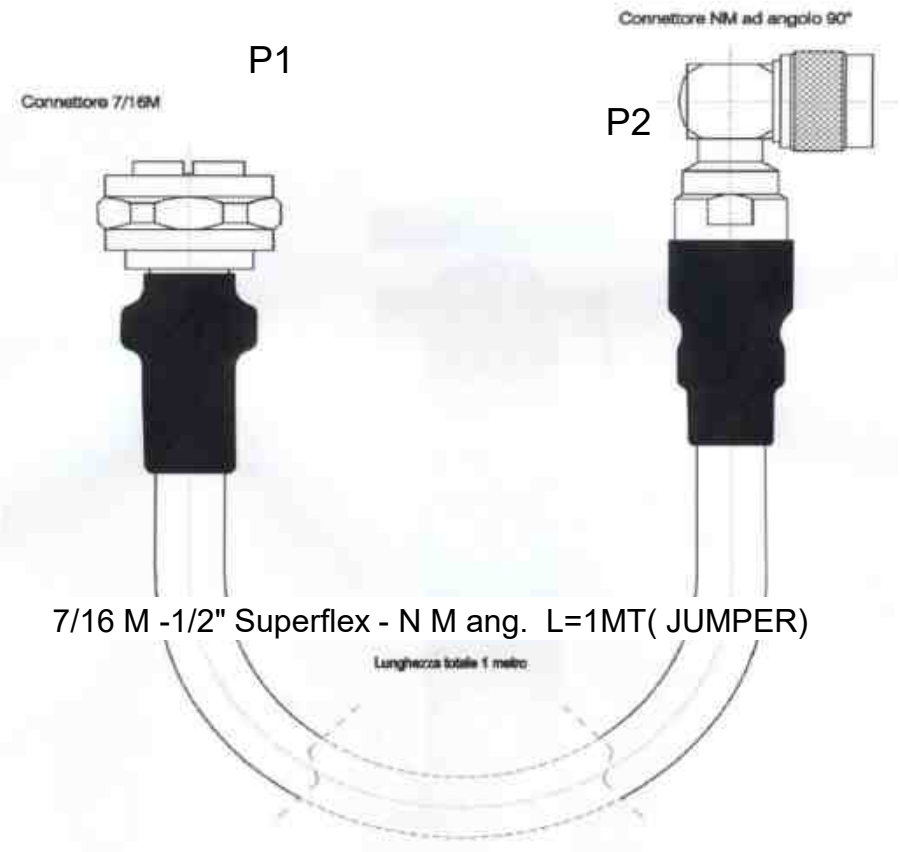
EXAMPLES OF CUSTOM CABLE ASSEMBLIES

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



7/16 M -1/2" Superflex - N M ang. L=1MT(JUMPER)

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 manufatctured with content and covers on specific needs of customer.

P/N : VLG/RDM/B Fig. N° 2

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 manufatctured with content and covers on specific needs of customer.

P/N : VLG/RAI/C Fig. N° 3

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 manufatctured with content and covers on specific needs of customer.

P/N : VLG/PTR/E Fig. N° 4

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 manufatctured 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 manufatctured 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 manufatctured 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 manufatctured with content and covers on specific needs of customer.

P/N : VLG/OMN/A Fig. N° 6

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 manufatctured 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:

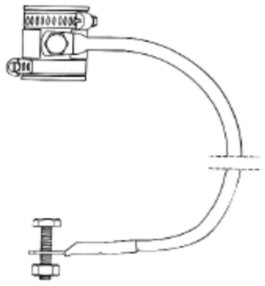
Q.TY	*Description*	*P/N GENEX RF*	*IMPEDANCE*
NR. 1	Directional coupler SMA -20dB DC/12 -18GHz	DT33112015	50 OHM
NR. 1	DC BLOCK N	DCB302010IE	50 OHM
NR. 2	N f - N f DC/18 GHz	3013301LV	50 OHM
NR. 2	N m - N m DC/18 GHz	3023302LV	50 OHM
NR. 2	N m - BNC m	3023102	50 OHM
NR. 2	N m - BNC f	3023101	50 OHM
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 manufatctured with content and covers on specific needs of customer.

GROUNDING KITS



P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

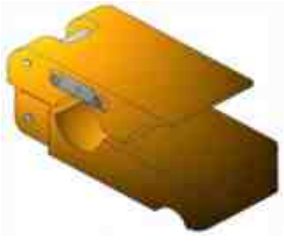
WRENCHES

P.N. GENEX RF	Description	Notes	Fig.
CHV332	Torque wrench for SMA connector		13
CHV4210	Wrench for 1.0/2.3 f connector		14

EXTRACTORS

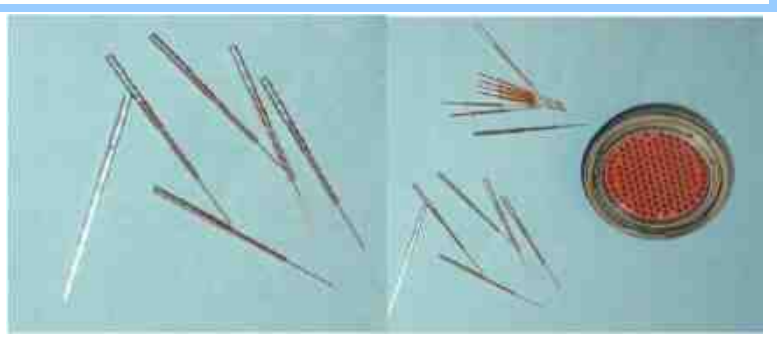
P.N. GENEX RF	Description	Notes	Fig.
EST4220	Extractor for 1.0/2.3 m connector		15
EST75000I	Extractor for inner EIA 1"5/8		16

STRIPPING TOOLS



P.N. GENEX RF	Description	Notes	Fig.
SPCKIT12	Stripping tool for grounding kit 1/2" foam		17
SPCKIT78	Stripping tool for grounding kit 7/8" foam		18

CONTACTS FOR CIRCULAR CONNECTORS



P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
PNL1UDIAL96	Standard Rack panel 1 U 96 IN banana female	with label holder	34

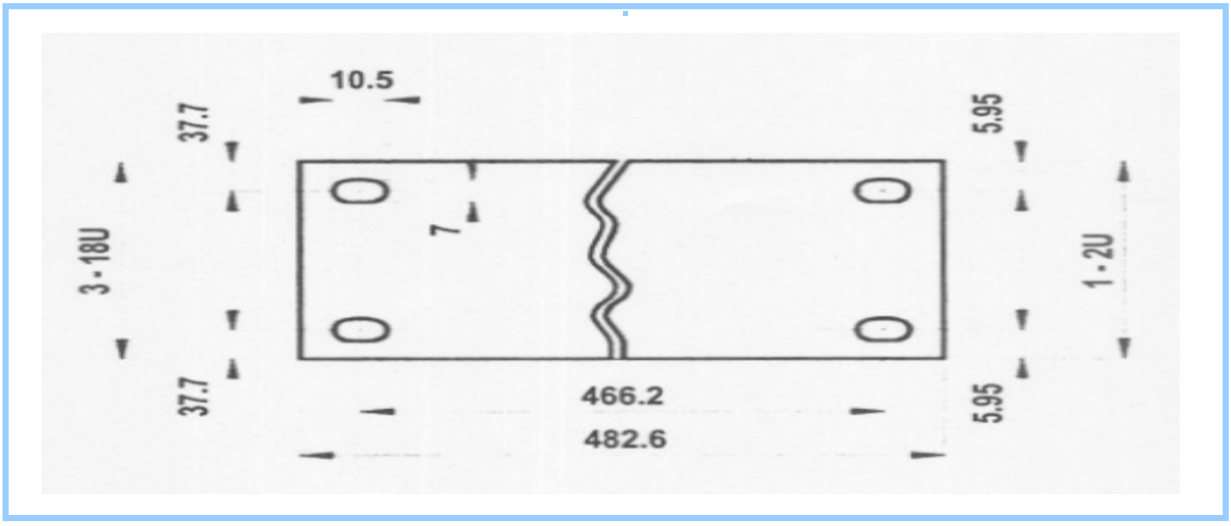
VIDEO PATCH PANEL

P.N. GENEX RF	Description	Notes	Fig.
PNL1U39116	Standard rack panel 1U 16 IN fischiotto f-BNC f	with label holder	31

AVERAGE FREQUENCY PATCH PANEL

P.N. GENEX RF	Description	Notes	Fig.
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: Alluminum 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

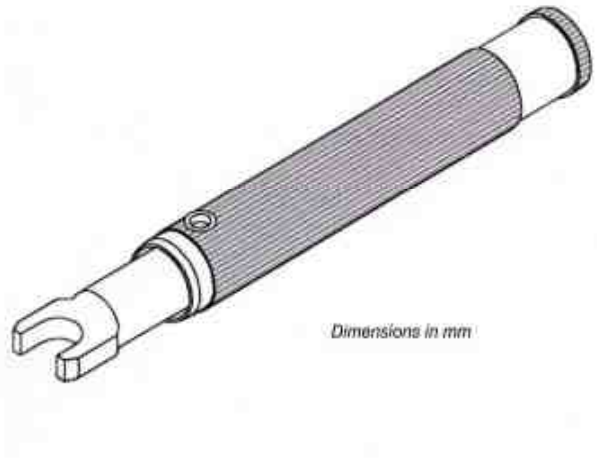
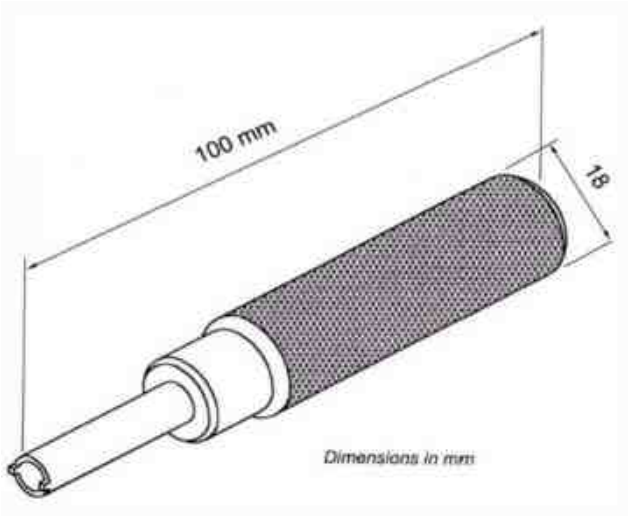


Fig.13 **P/N CHV332**



P/N CHV4210 **Fig.14**

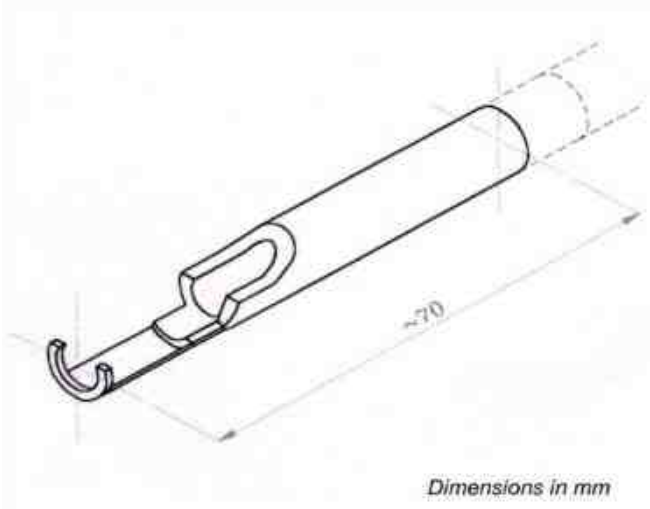
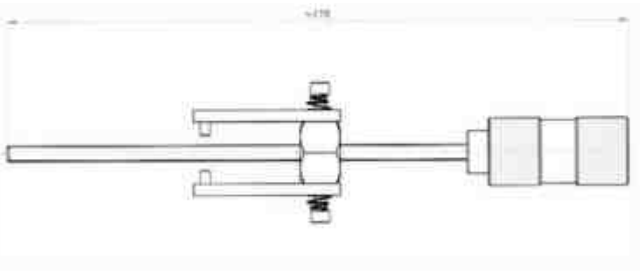


Fig.15 **P/N EST4220**



P/N EST75000I **Fig.16**

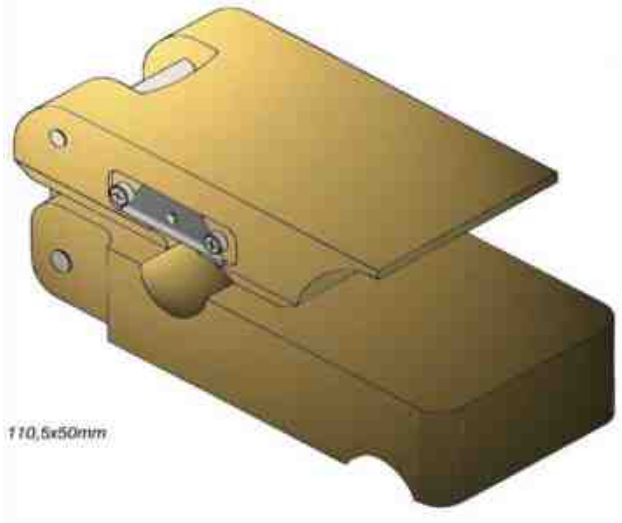
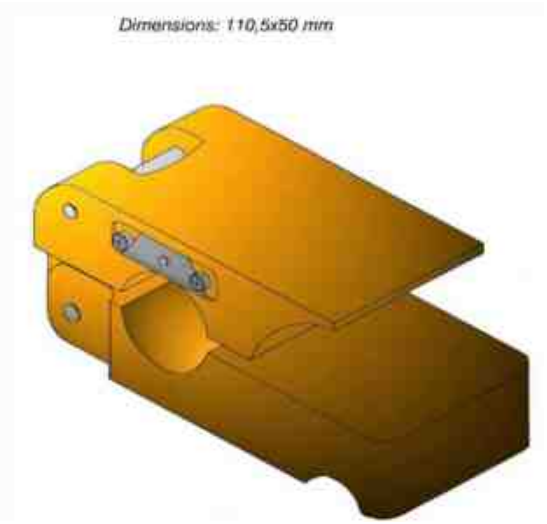


Fig.17 **P/N SPCKIT12**



P/N SPCKIT78 **Fig.18**

DRAWINGS ACCESSORIES

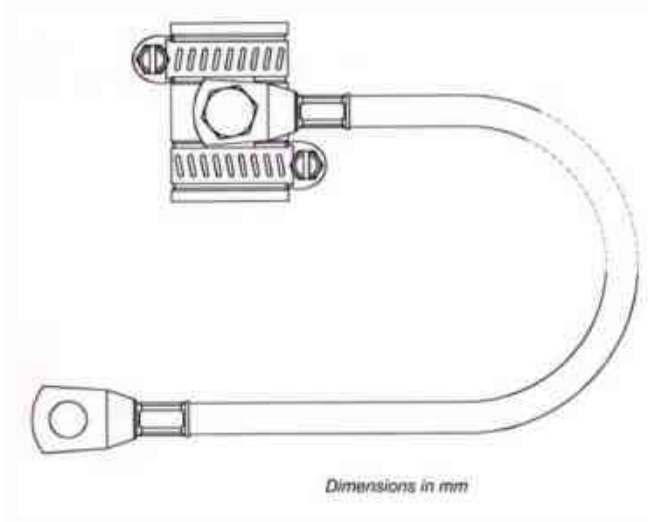
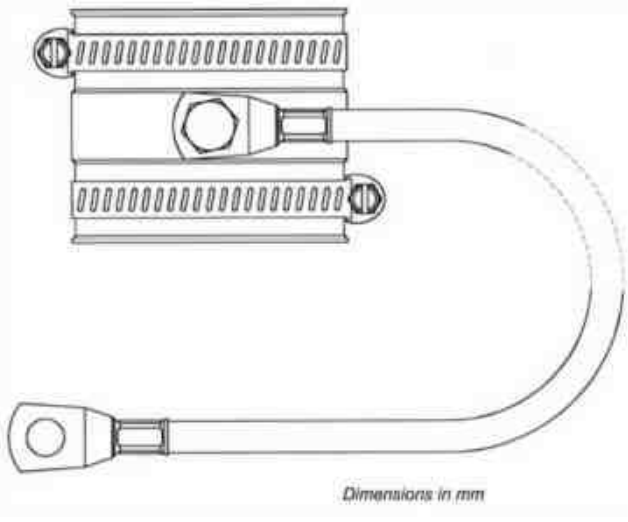


Fig.19 **P/N KIT12**



P/N KIT15 **Fig.20**

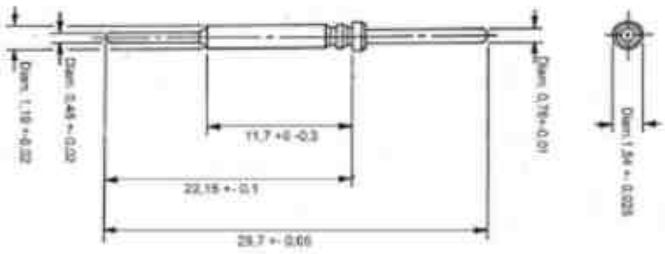


Fig.21 **P/N CNT0011501**

P/N CNT0011601 **Fig.22**

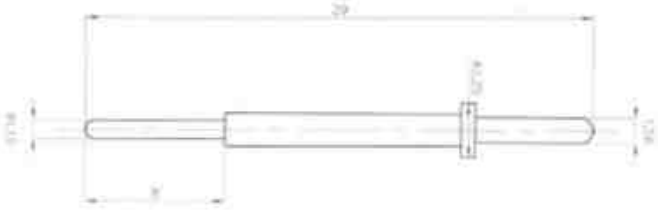
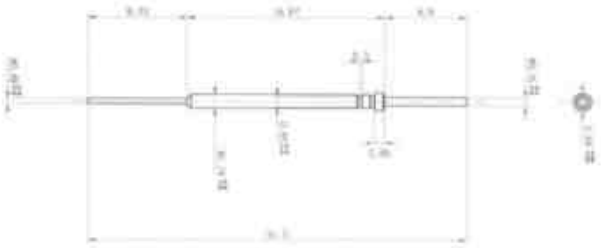


Fig.23 **P/N CNT0013701**



P/N CNT0019601 **Fig.24**

DRAWINGS ACCESSORIES

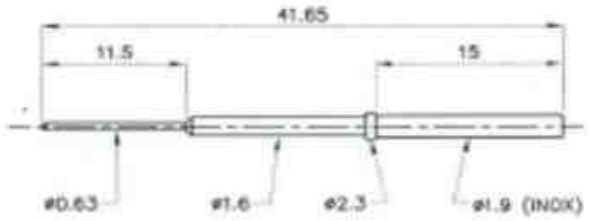
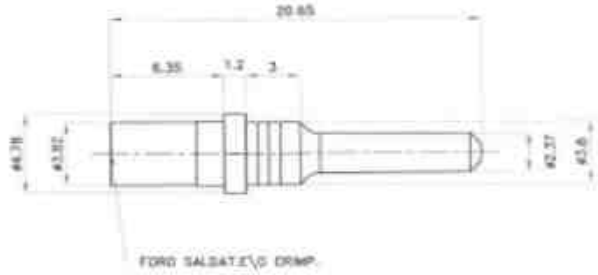


Fig.25 **P/N CNT0025401**



P/N SPCNT00241 **Fig.26**

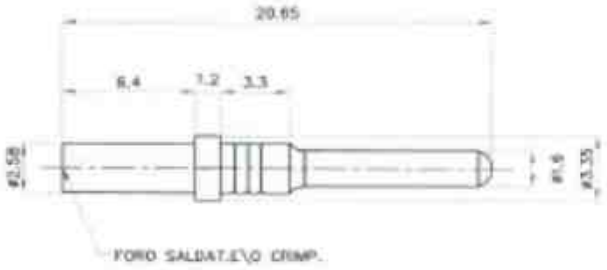
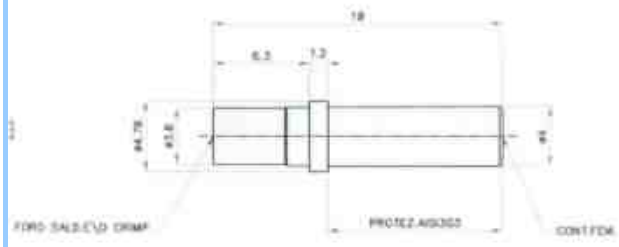


Fig.27 **P/N SPCNT00242**



P/N SPCNT00243 **Fig.28**

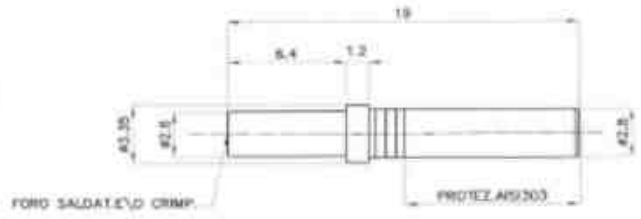


Fig.29 **P/N SPCNT00244**

P/N **Fig.30**

DRAWINGS ACCESSORIES

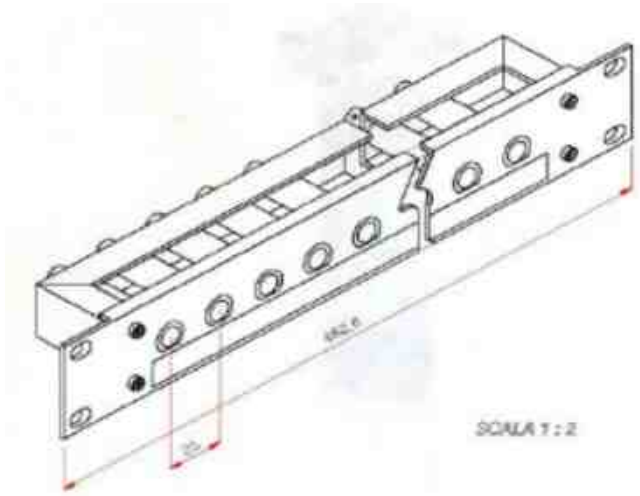
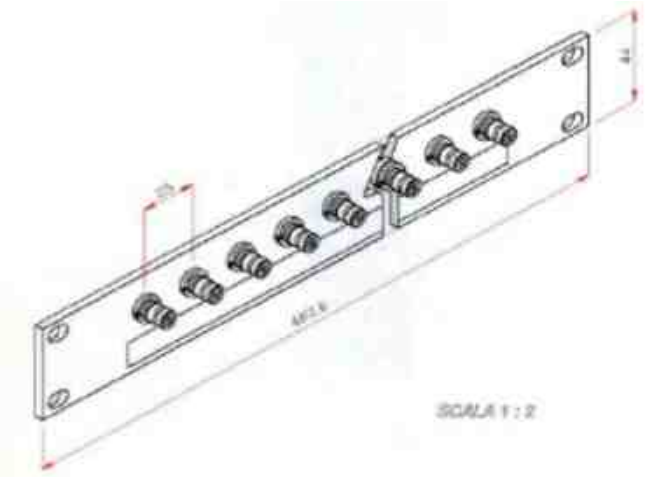


Fig.31 P/N PNL1U39116



P/N PNL1U61116 Fig.32

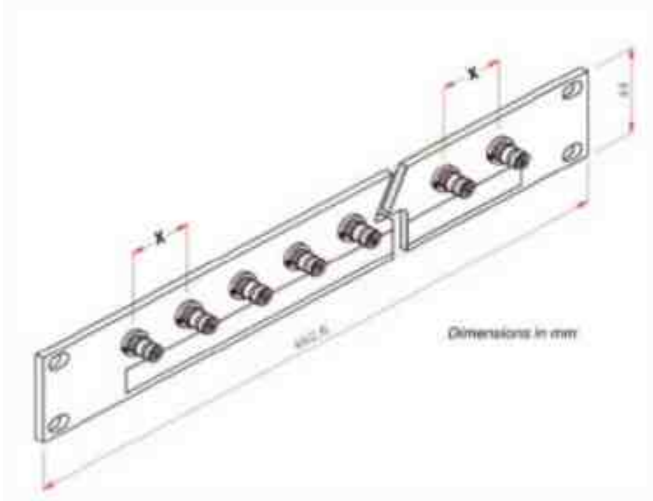
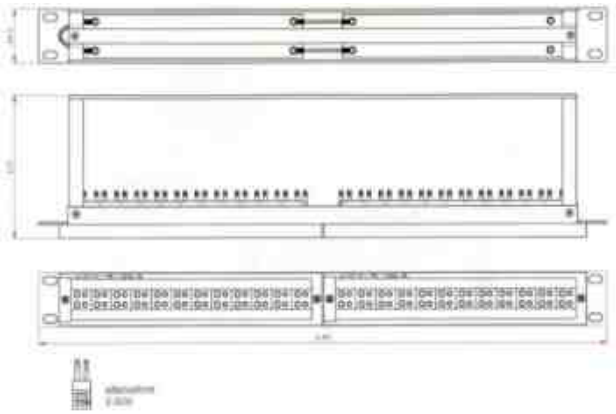


Fig.33 P/N PNL1U62115

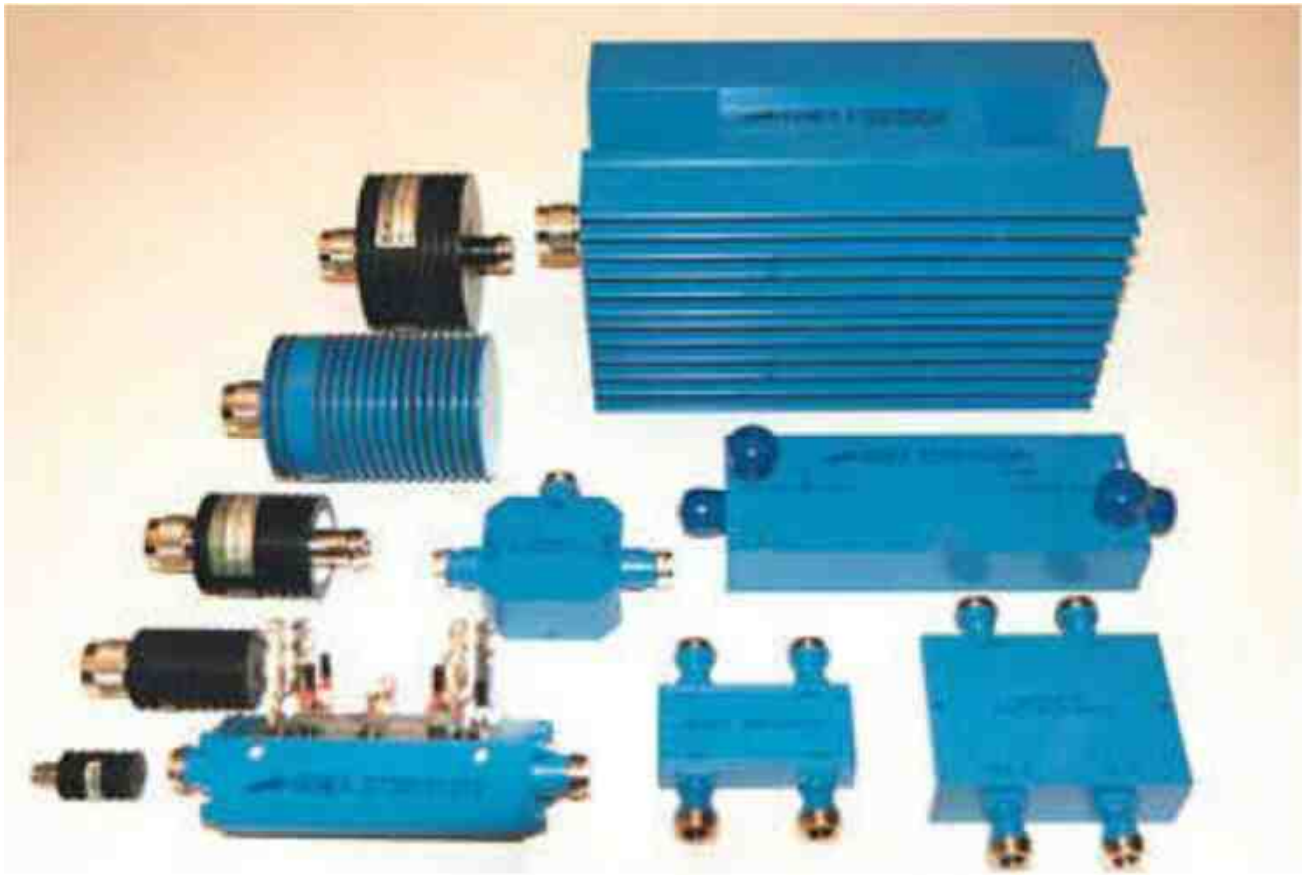


P/N PNL1UDIAL 96 Fig.34

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 (1)	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

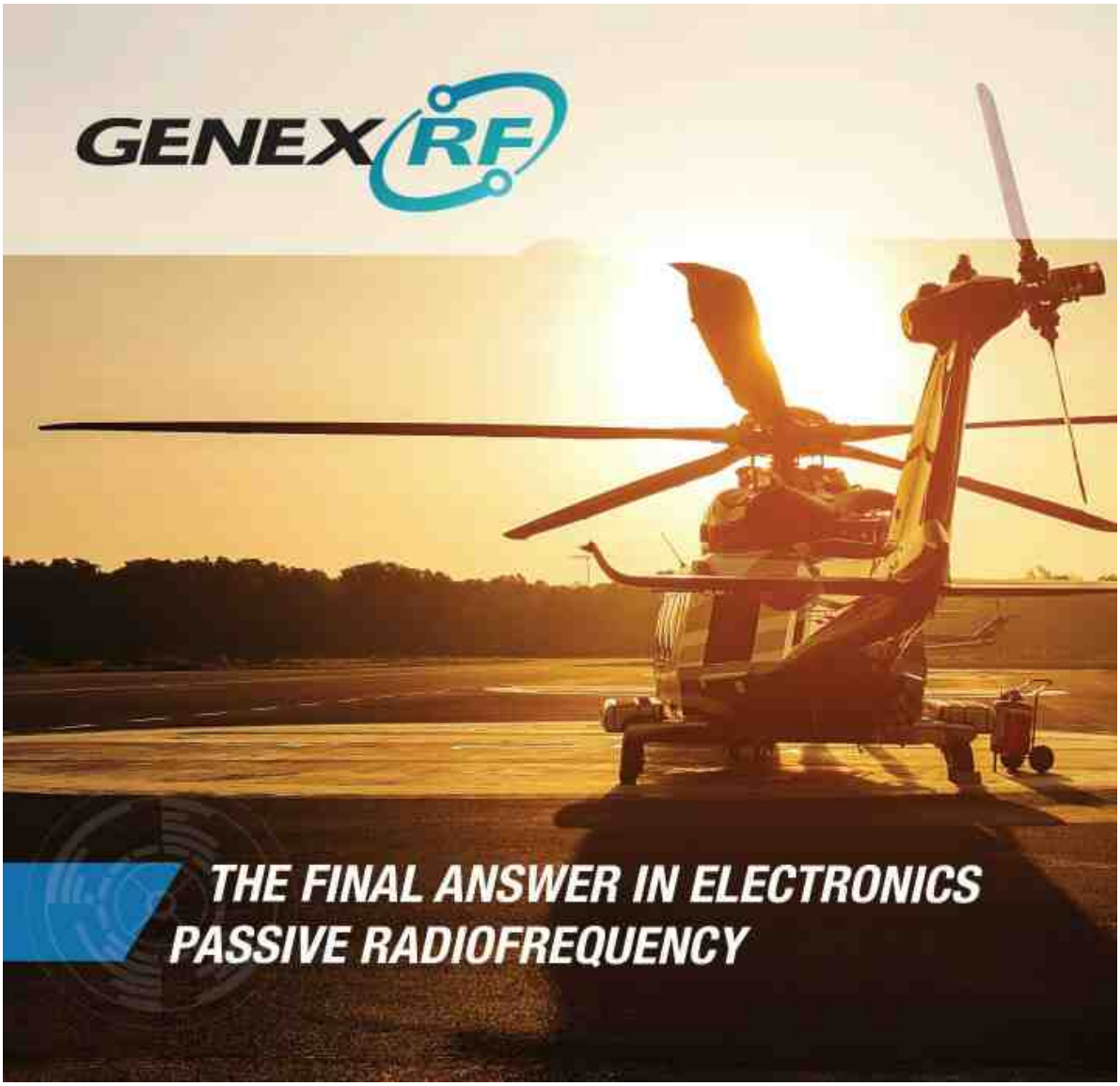
01	0,05 - 1 GHz	26	4 - 400 MHz (AIDCB)
02	0,3 - 1,5 GHz	27	0,004 - 2 GHZ
03	0,6 - 2,2 GHz	28	0,004 - 1 GHZ
04	400 - 500 MHz	29	0,30 - 6 MHz
05	840 - 960 MHz	30	2,1 - 2,4 GHz
06	1,6 - 1,9 GHz	31	0,002 - 2 GHz
07	2,3 - 2,45 GHz	32	7 - 18 GHz
08	0,8 - 2000 MHz	33	300 - 500 MHz
09	80 - 110 MHz	34	1 - 9 GHz
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
08	TNC REVERSE POLARITY
09	BNC REVERSE POLARITY
10	BNC
20	TNC
30	N
31	C
32	SC
33	SMA
34	TRIAX
35	SMC
36	SMB
37	BSM
38	SSMA
39	PLUG "FISCHIOTTO" RAI
40	PL (UHF)
41	MINI PL (MINI UHF)
42	1.0/2.3
44	F
45	FME
48	EIA 4"1/8
49	EIA 4"1/2
50	HN
51	TWINAX
54	SMS
57	SIS
60	LC
61	1.6/5.6

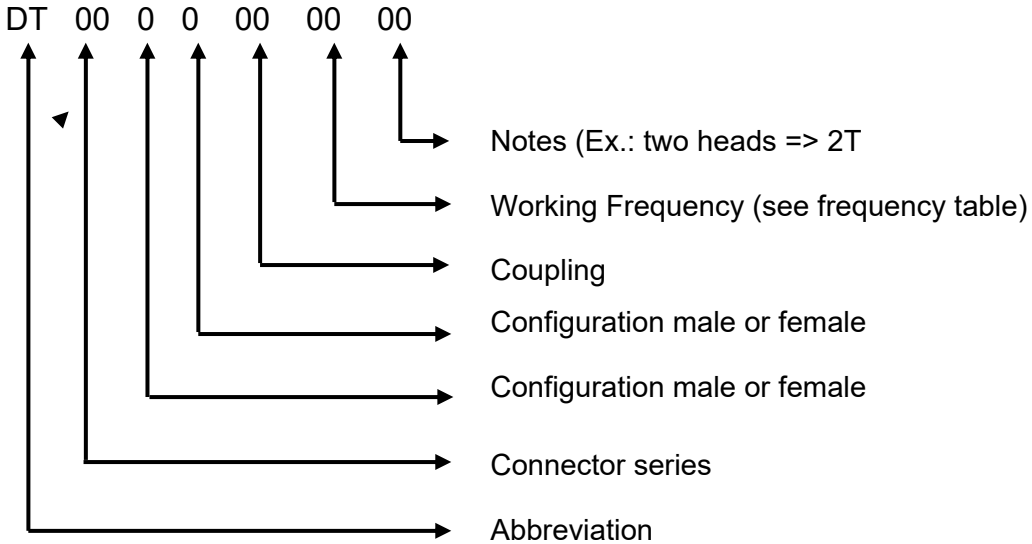
62	1.8/5.6
63	25/58
66	2.5/6
68	4.1/9.5
69	4.6/16
70	DIN 7/16
71	13/30 SIE
72	13/30 M50
73	EIA 3” 1/8
74	FLANGE DIN 7/16
75	EIA 1"5/8
86	EIA 6"1/8”
87	SSMB
90	K
92	MCX
93	MMCX
94	PC2.4
95	PC3.5
96	PC7
97	SMZ
KS22	SMP
KS31	OSSP/SBMA
KS33	OSP/BMA
MR38	PMMA/BMZ
MR88	SMP
SSLB	SSLB
THT	THT
UER70	FLANGE UER CNT. 7/16M

COUPLERS

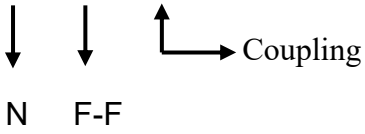


Components described following up represent our standard production. On request is possible produce Couplers with different data sheet.

GENEX RF COUPLER PART NUMBER



Ex.: DT 30 11 20 05 = Directional Coupler NF - F - 20 dB 840/960 MHz with 1 Head



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)

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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)

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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 40 dB 60 dB	1° out N f 2° out N f Monitor BNC	47-88 MHz I VHF	13
			60 dB 40 dB 60 dB	1° out N f 2° out N f Monitor BNC	86-110 MHz FM	
			55 dB 30 dB 50 dB	1° out N f 2° out N f Monitor BNC	181-223 MHz III VHF	
			50 dB 25 dB 45 dB	1° out N f 2° out N f Monitor BNC	470-613 MHz IV UHF	
			50 dB 25 dB 45 dB	1° out N f 2° out N f Monitor BNC	613-860 MHz V UHF	

DIRECTIONAL COUPLERS OF MEASURE

COUPLER 1 HEAD

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
DT30112021M	4-10 GHz	100 W	20 dB	N f - N f		2

COUPLER 2 HEADS

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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

P.N. GENEX RF	Frequency	Max Power CW	Coupling	Connectors	Notes	Fig.
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

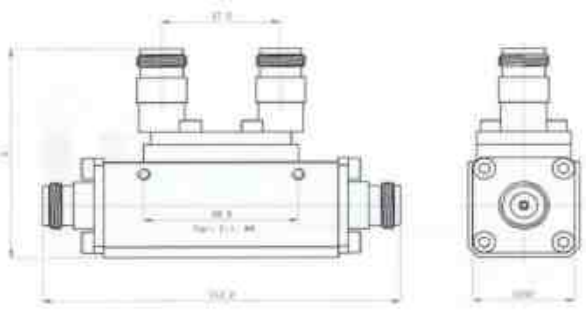
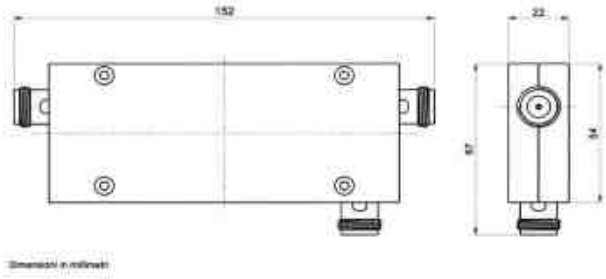


Fig.1 P/N DT30110608



P/N DT30112021M Fig.2

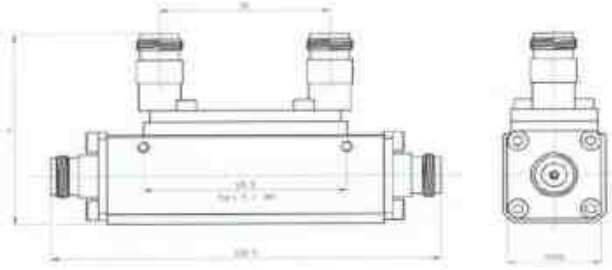
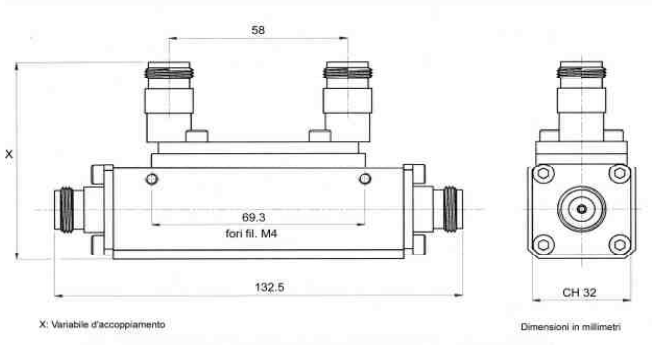


Fig.3 P/N DT30112005



P/N DT30110601 Fig.4

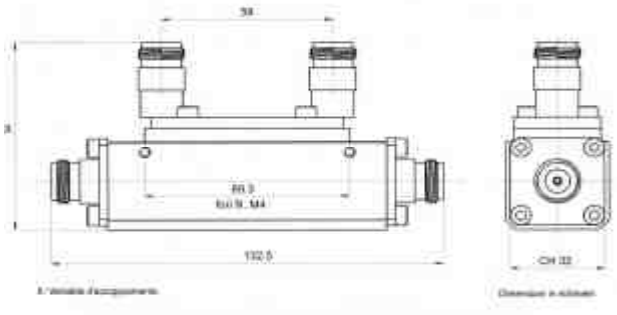
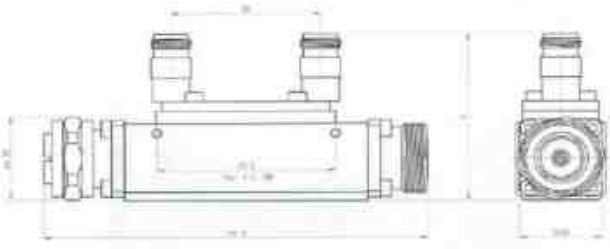


Fig.5 P/N DT30110604



P/N DT70212005 Fig.6

COUPLERS DRAWINGS

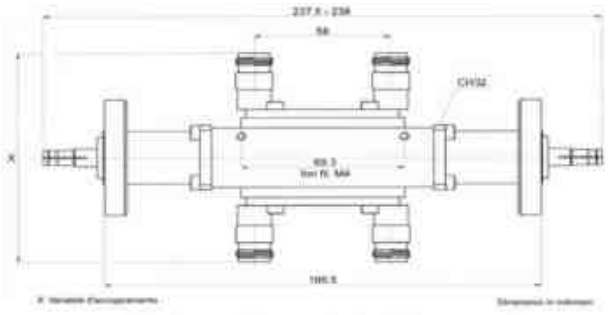
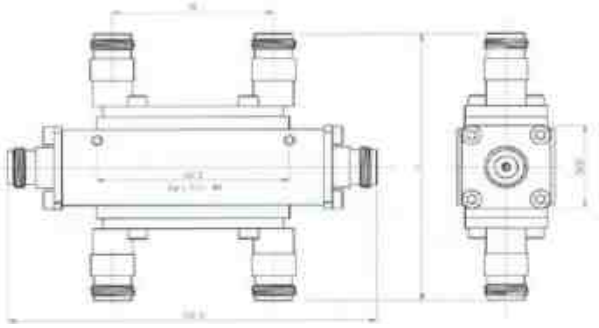


Fig.7 P/N DT78002010



P/N DT301120052T Fig.8

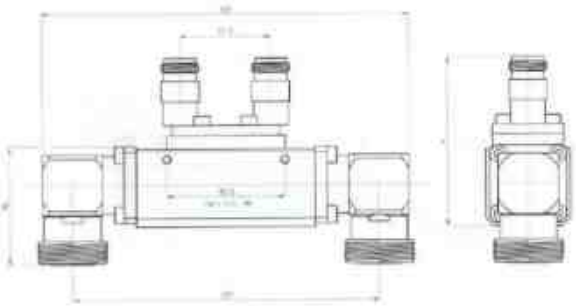
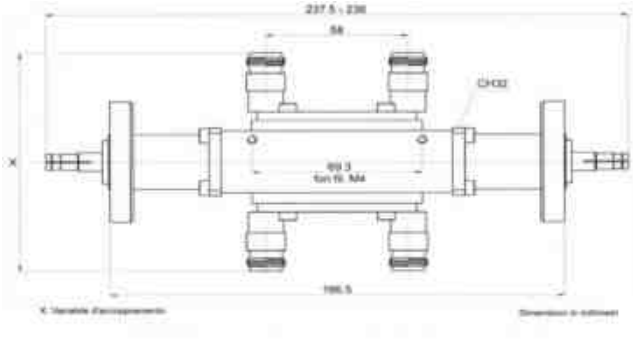


Fig.9 P/N DT701142005



P/N DT780020092T Fig.10

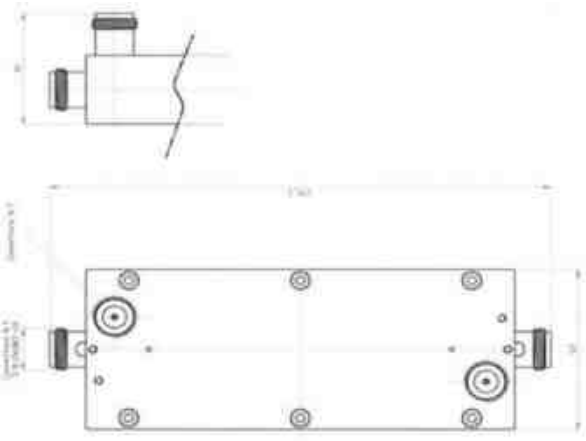
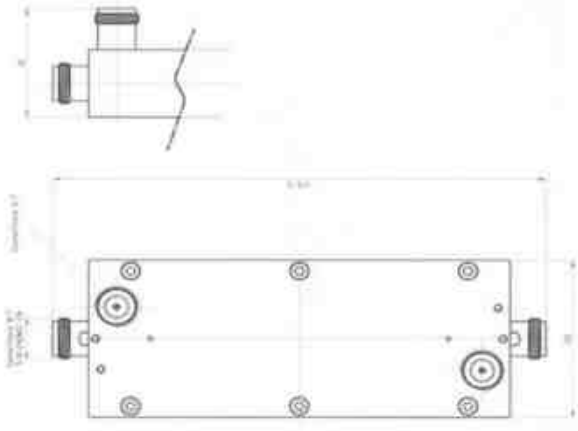
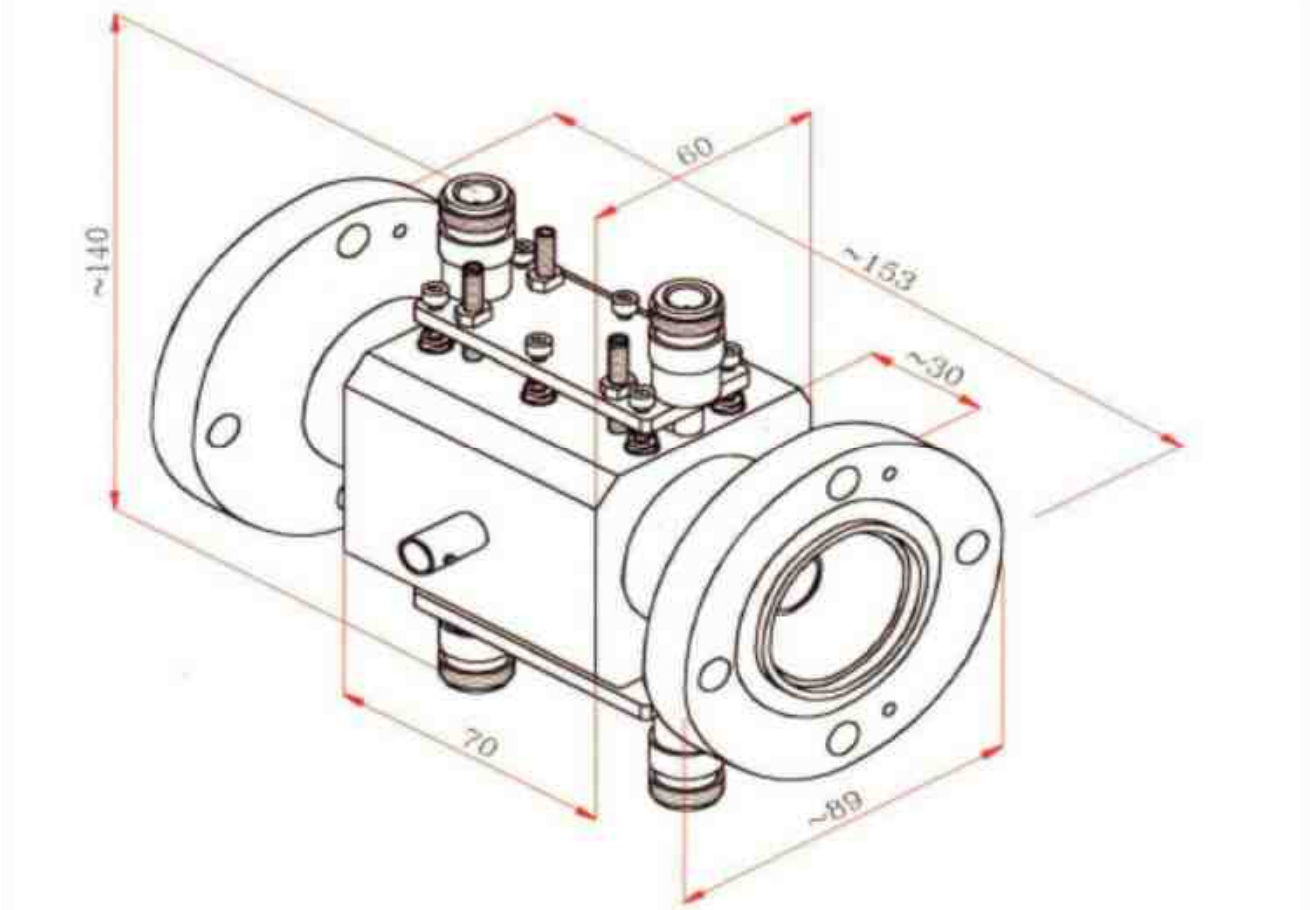


Fig.11 P/N DT30112002M



P/N DT30112003M Fig.12

COUPLERS DRAWINGS



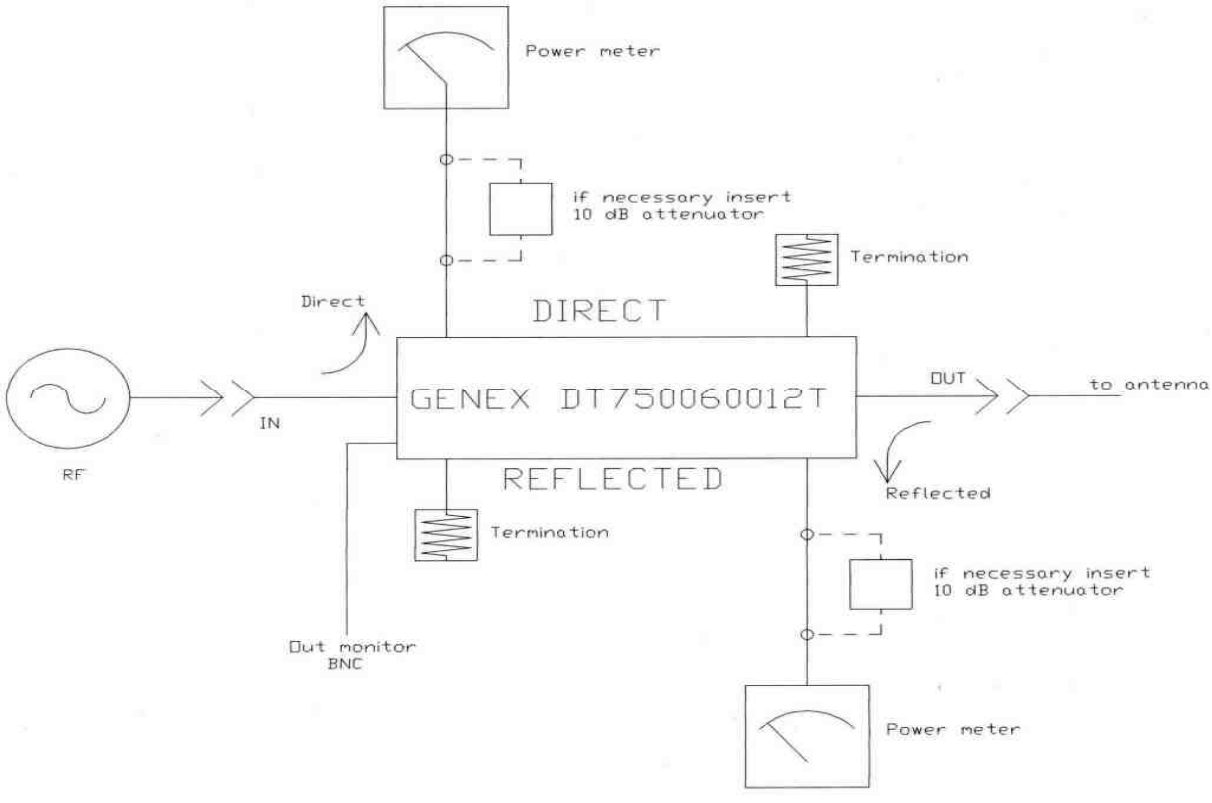


Fig.13 **P/N DT750060012T**

COUPLERS DRAWINGS

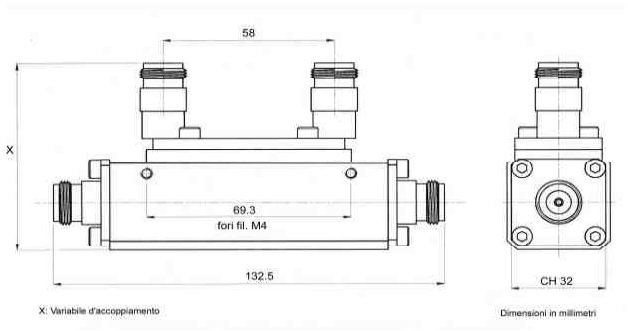
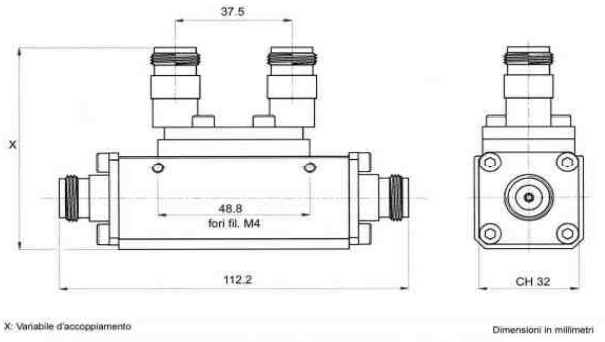


Fig.14 **P/N DT30110612**



P/N DT30110619 **Fig.15**

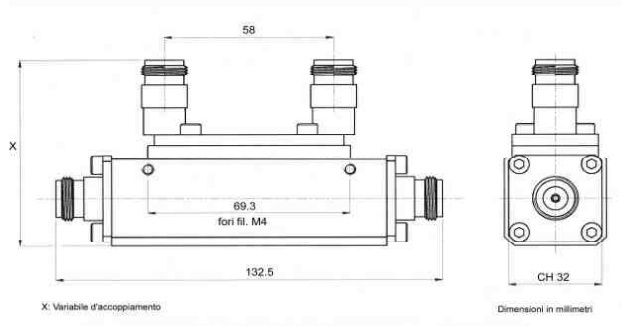
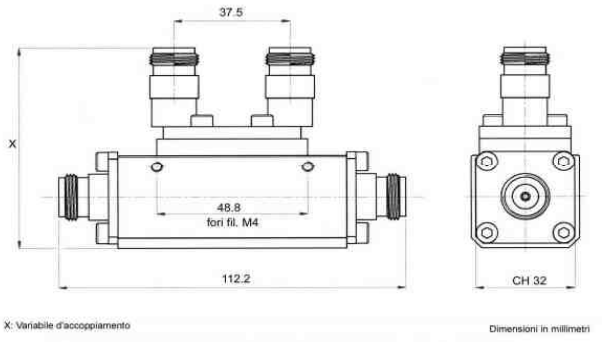


Fig.16 **P/N DT30110620**



P/N DT30110622 **Fig.1**

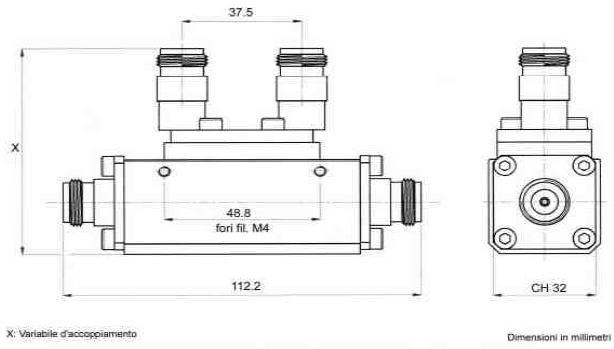
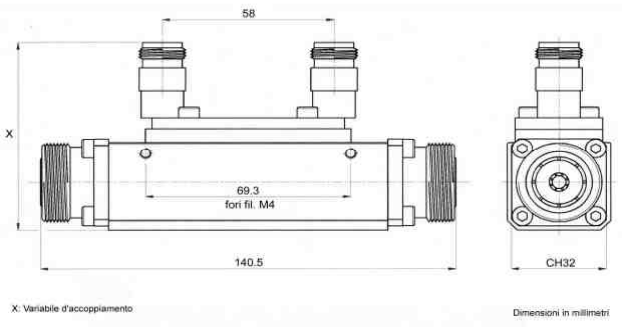


Fig.18 **P/N DT30110637**



P/N DT70110633 **Fig.19**

COUPLERS DRAWINGS

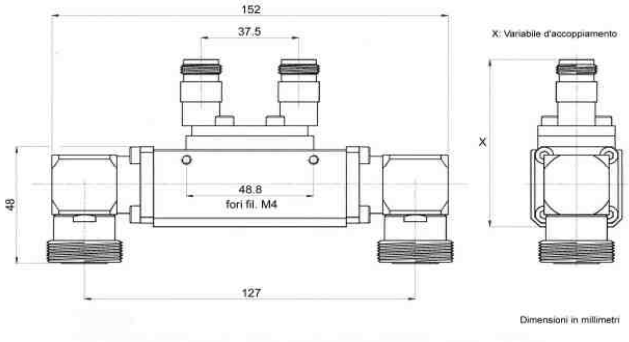
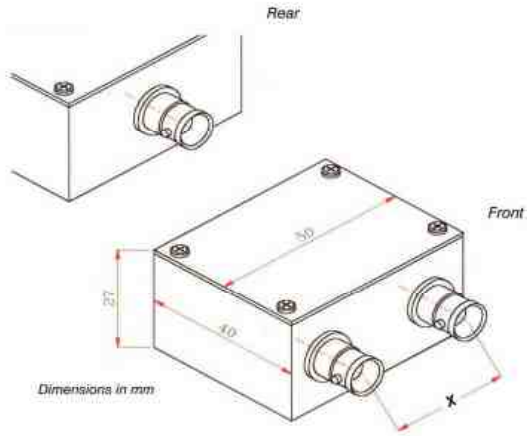


Fig.20 P/N DT701140619



P/N DT101110137 Fig.21

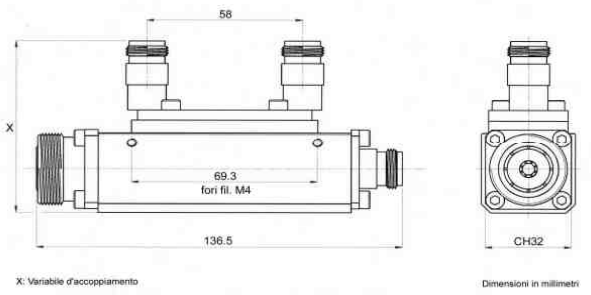
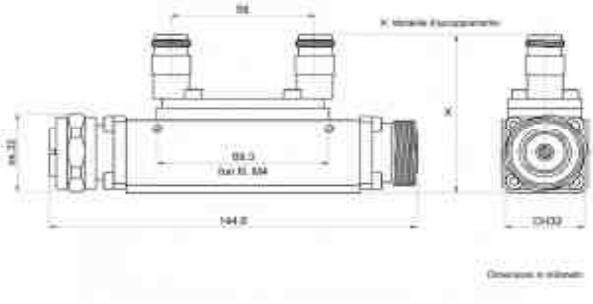


Fig.22 P/N DT7013010633



P/N DT70210604 Fig.23

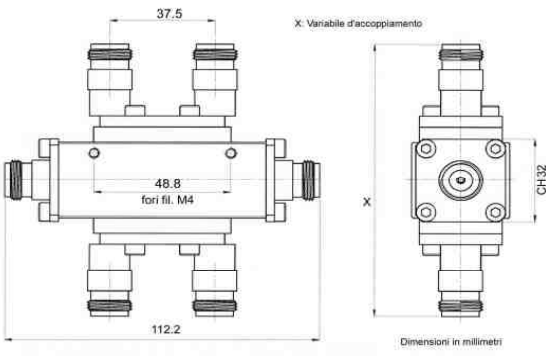
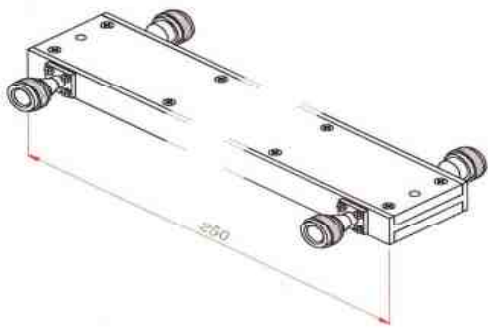


Fig.24 P/N DT301106192T



P/N IBR30150 Fig.2

COUPLERS DRAWINGS

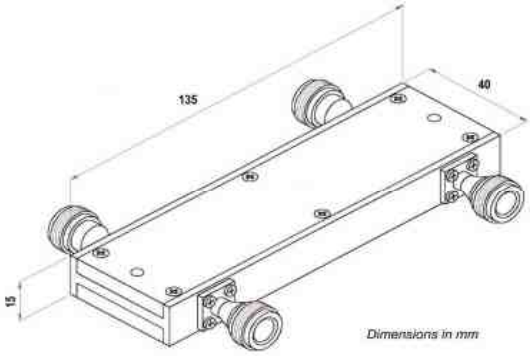
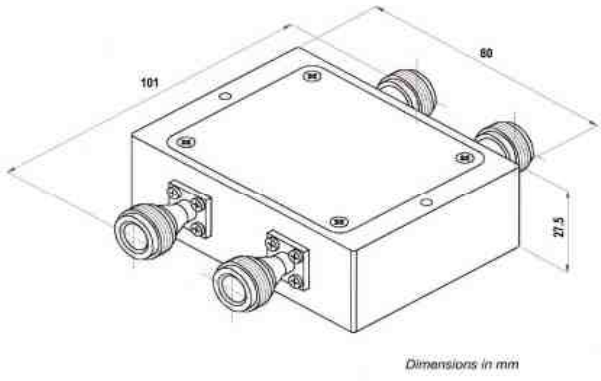


Fig.26 P/N IBR30450



P/N IBR301000 Fig.27

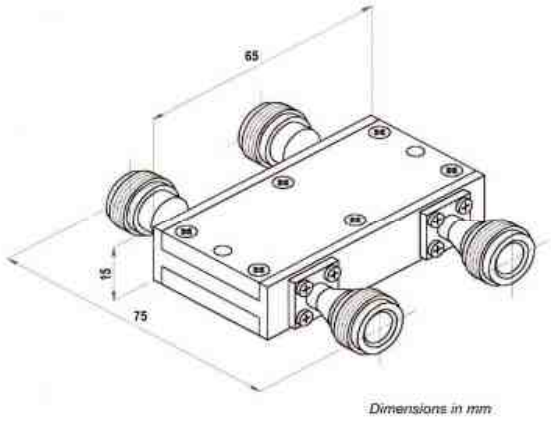
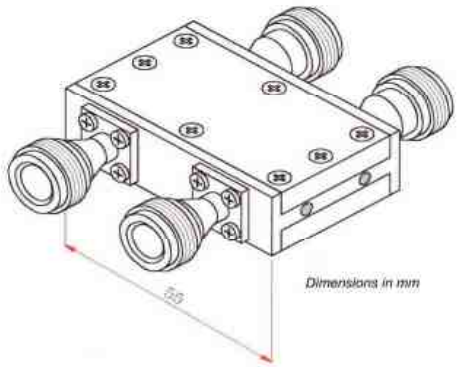


Fig.28 P/N IBR302000



P/N IBR303000 Fig.29

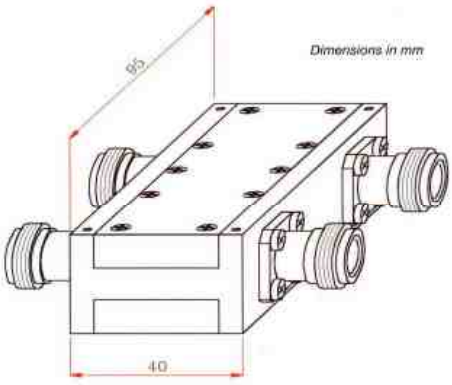
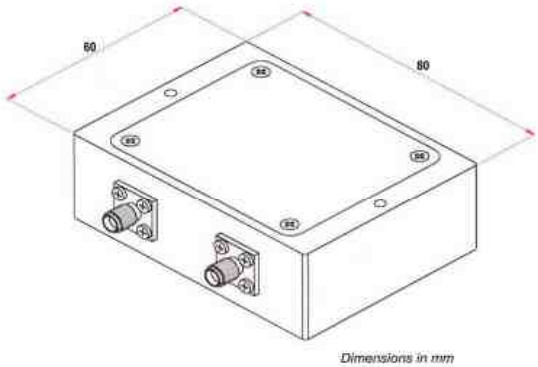


Fig.30 P/N IBR301000P



P/N IBR331000 Fig.3

COUPLERS DRAWINGS

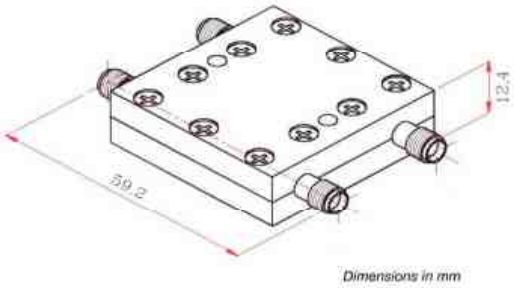
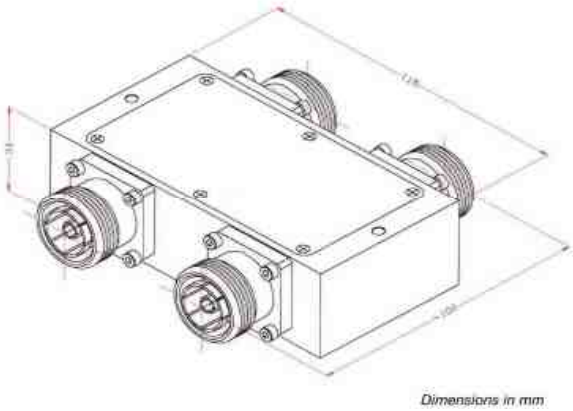


Fig.32 P/N IBR331500



P/N IBR701000 Fig.33

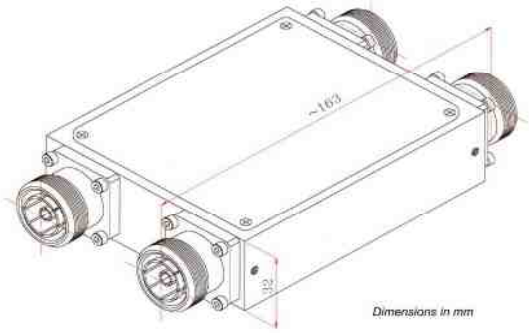


Fig.34 P/N IBR702000

P/N Fig.35

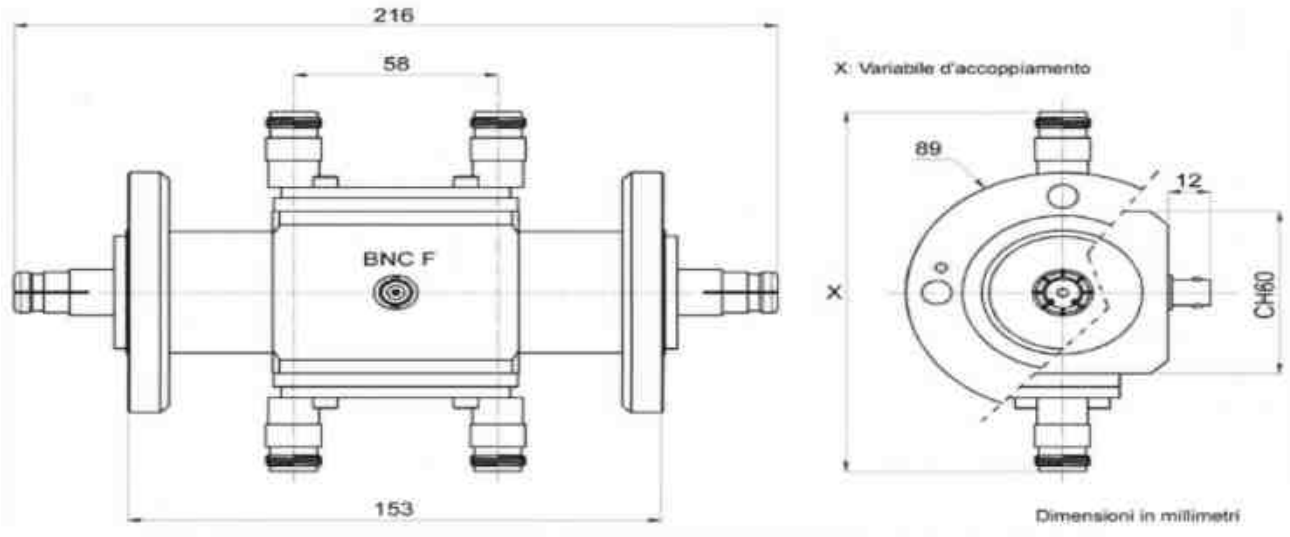
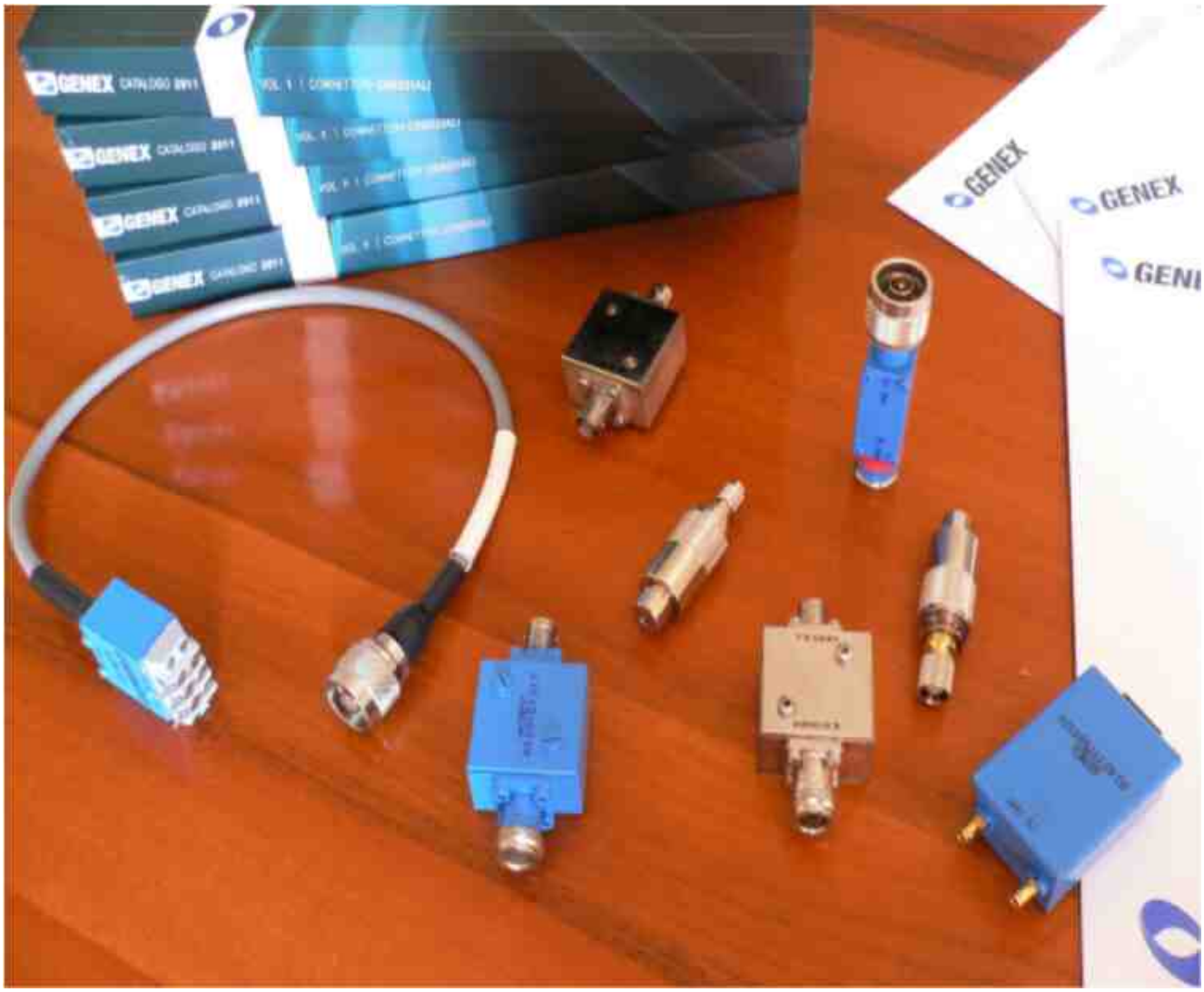


Fig.36

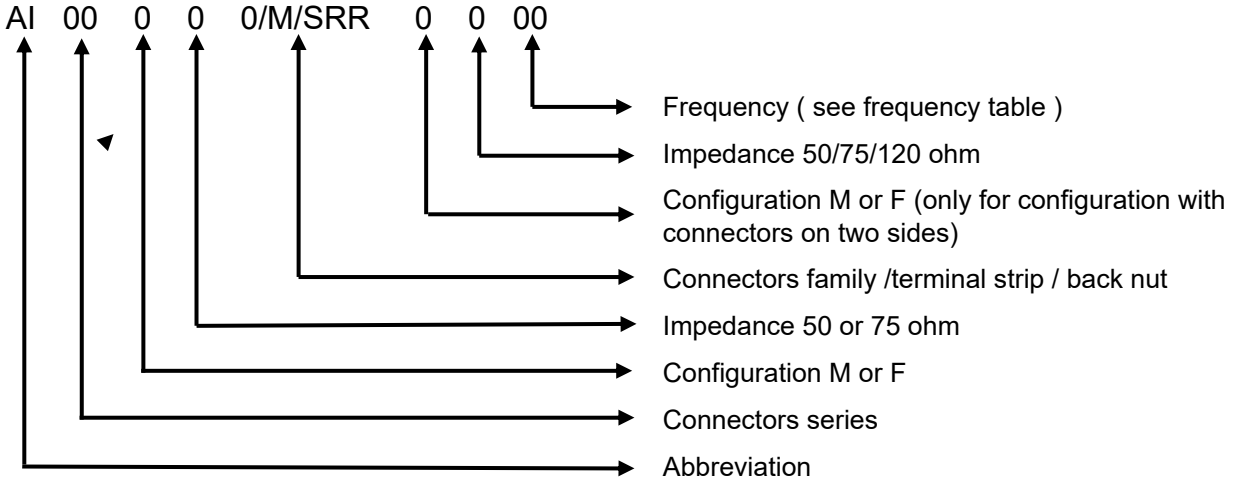
P/N DT750010092T

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

P.N. GENEX RF	*Frequency*	*Max Power CW*	*Connectors in-out*	*Insertion Loss*	*VSWR*	*Fig.*
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

P.N. GENEX RF	Frequency	Max Power CW	Connectors in-out	Insertion Loss	VSWR	Fig.
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	
AI4217SRR120GX	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

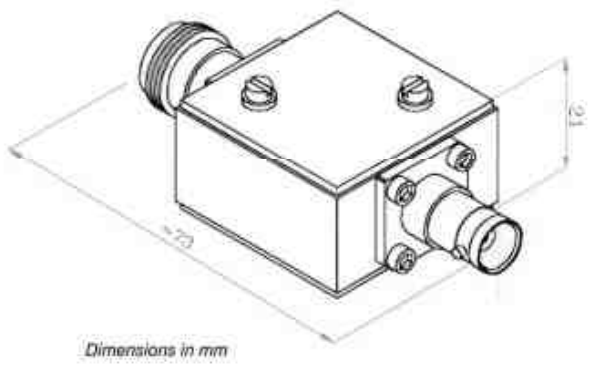
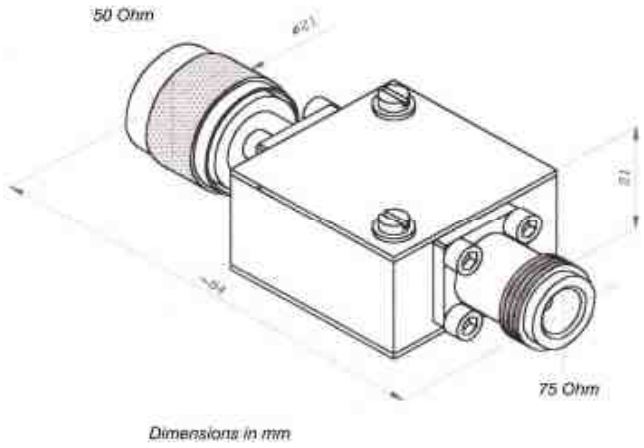


Fig.1 **P/N AI30151017**



P/N AI30253017 **Fig.**

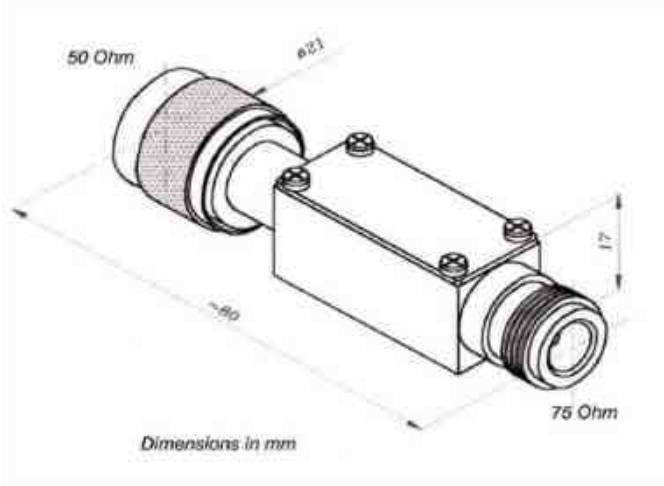
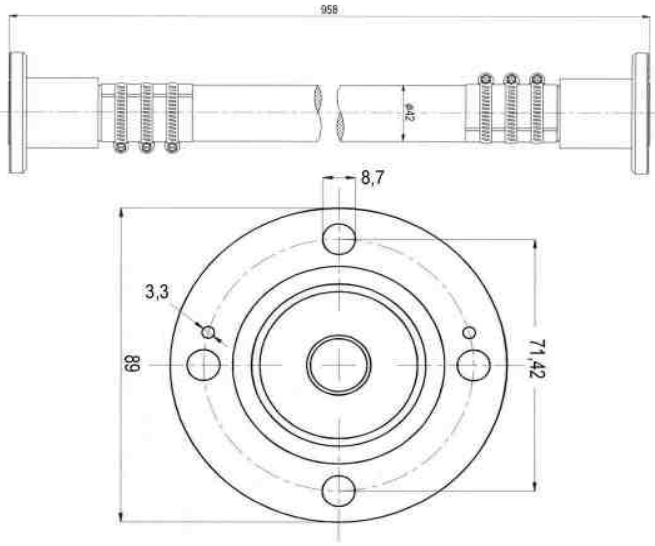


Fig.3 **P/N AIR30253017**



P/N AI7505750709 **Fig**

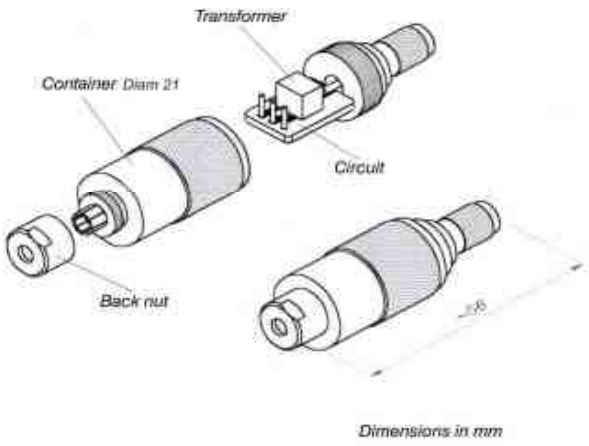
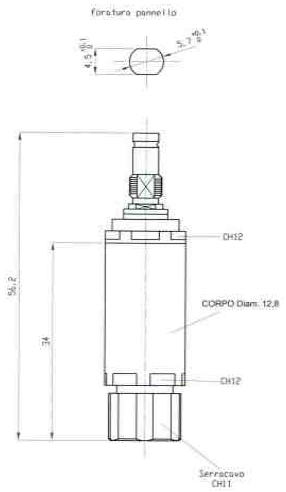


Fig.5 **P/N AI4227SRR120**



P/N AI4217SRR120GX **Fig.**

IMPEDANCE ADAPTERS DRAWINGS

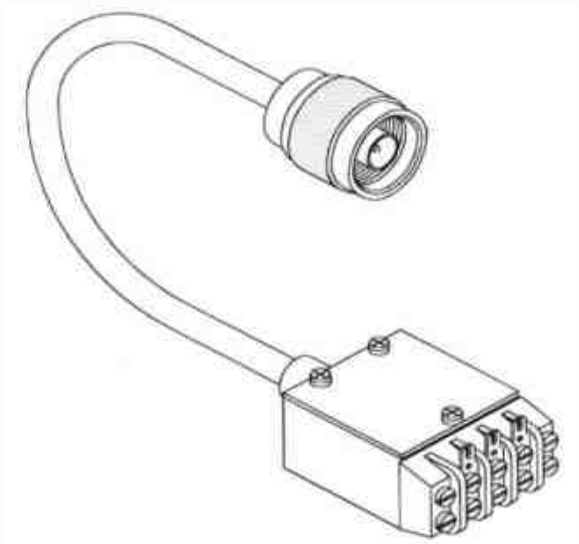


Fig.7 P/N AI302764DSM120

P/N Fig.

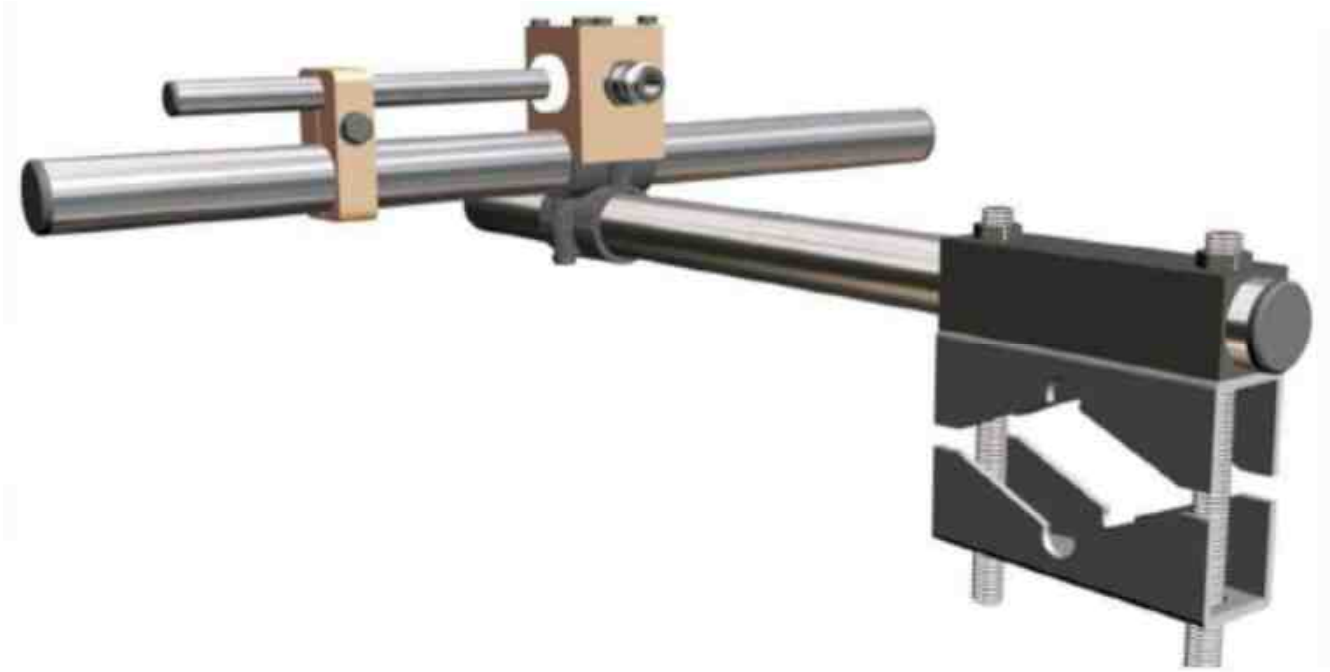
Fig.9 P/N

P/N Fig.1

Fig.11 P/N

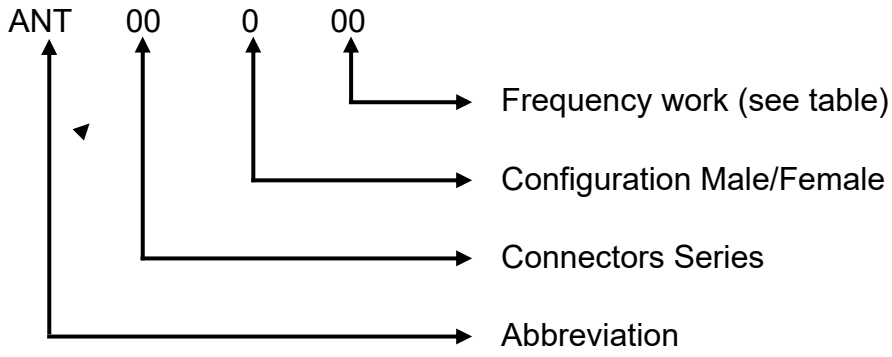
P/N Fig.1

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

ANTENNAS

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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**

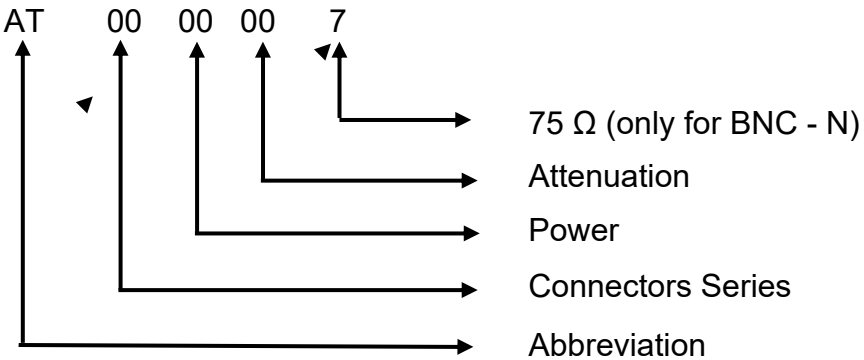
Fig.5 **P/N**

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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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)

P.N. GENEX RF	Attenuation	Frequency	Max Power CW	NOTES	Fig.
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 Ω

P.N. GENEX RF	*Attenuation*	*Frequency*	*Max Power CW*	*NOTES*	*Fig.*
ATA0202	2 dB	20/20 KHz	2 W		9
ATA0203	3 dB	20/20 KHz	2 W		10

COAXIAL ATTENUATORS DRAWINGS

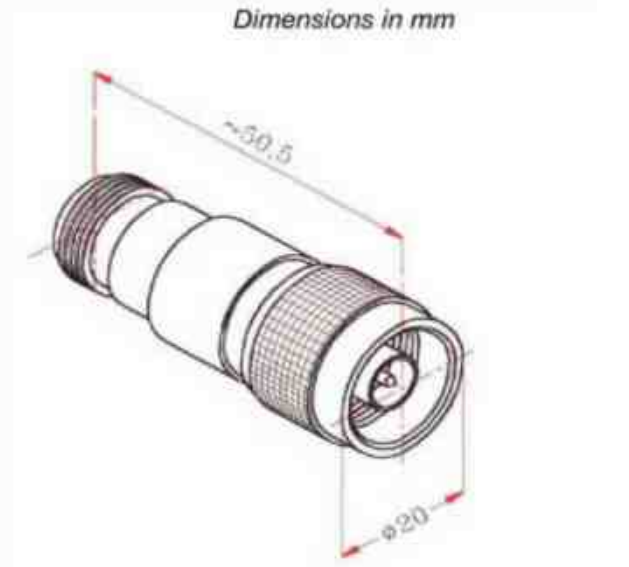
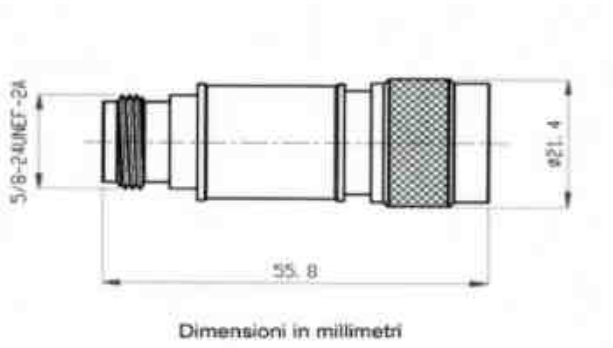


Fig.1 P/N AT300203



P/N AT300503 Fig.2

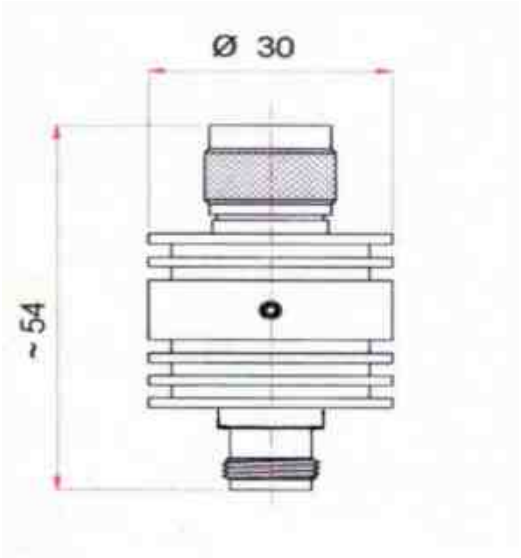
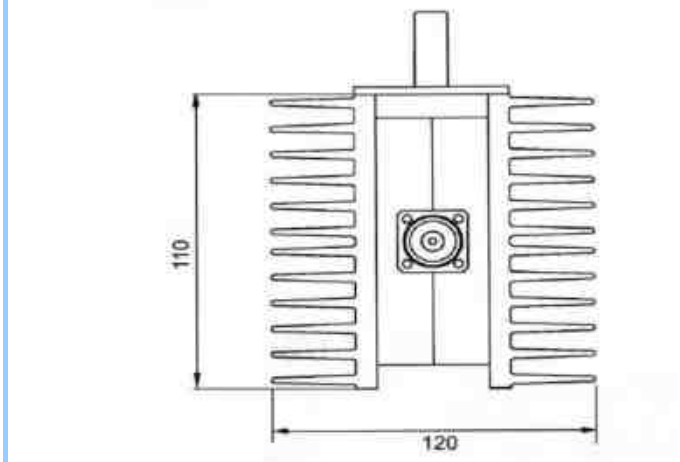


Fig.3 P/N AT301003



P/N AT3010003 Fig.4

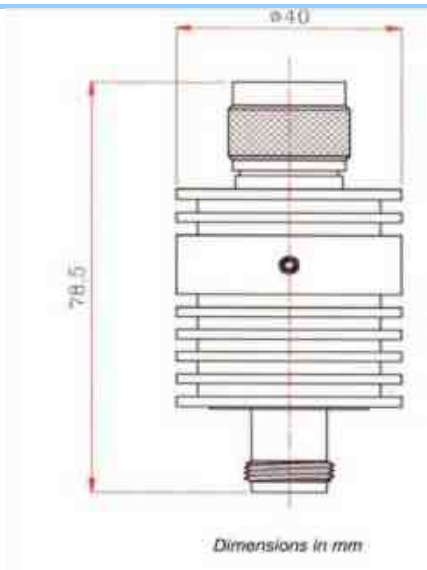
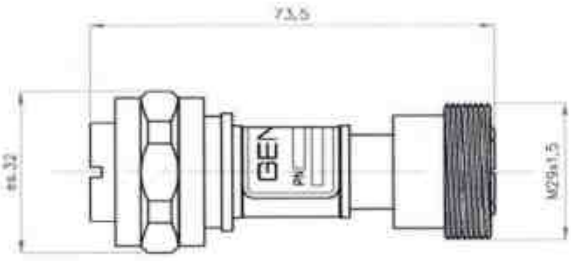


Fig.5 P/N AT302003



P/N AT700530 Fig.6

COAXIAL ATTENUATORS DRAWINGS

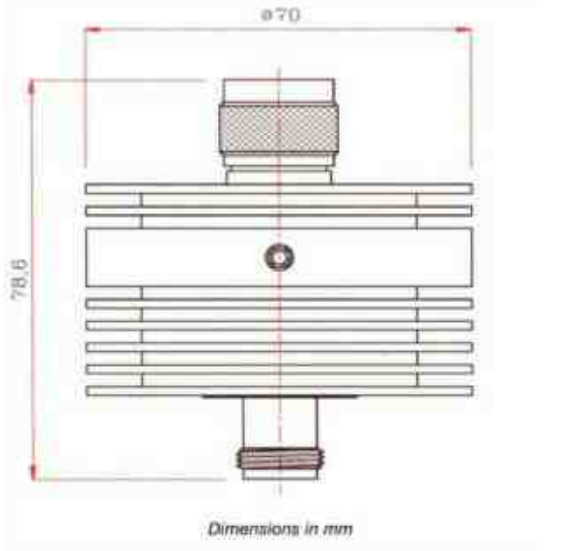
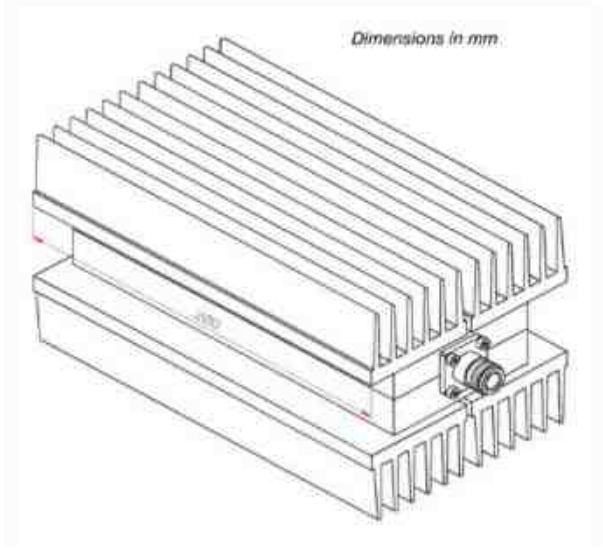


Fig.7 P/N AT305003



P/N AT3015020 Fig.8

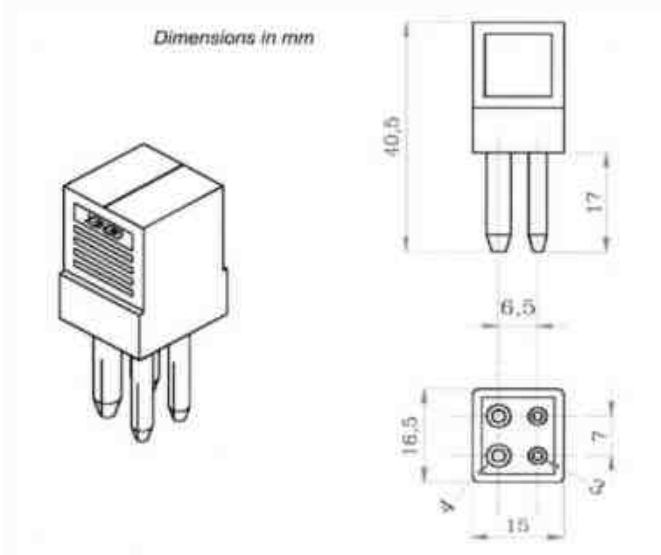
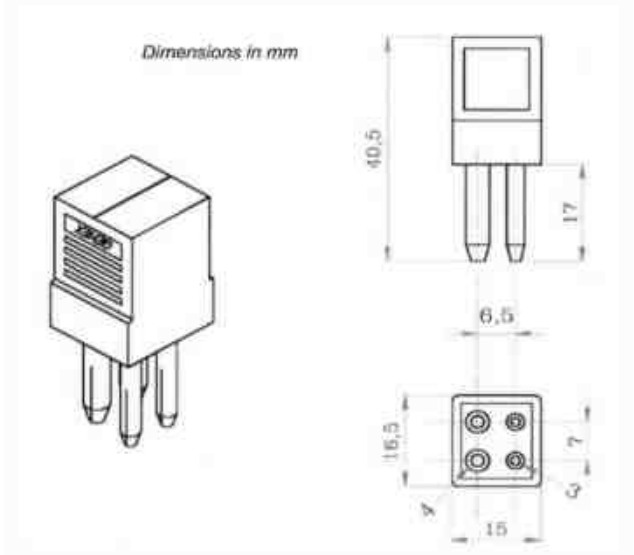


Fig.9 P/N ATA0202



P/N ATA0203 Fig.10

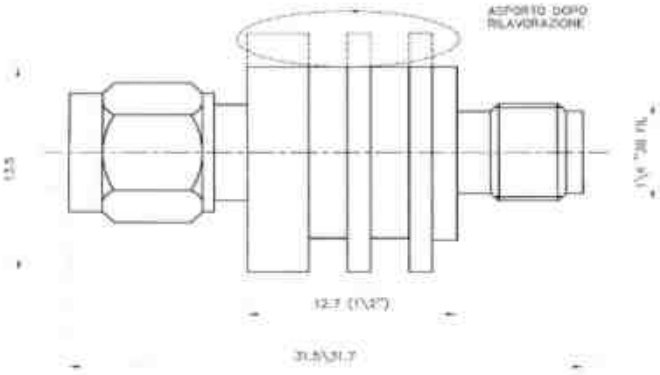


Fig.11 P/N MM13078

P/N Fig.12

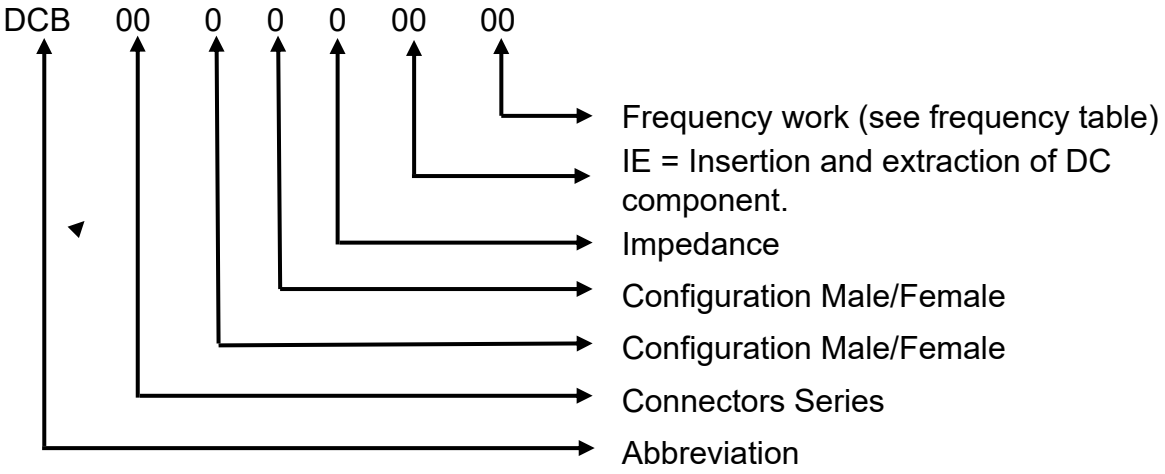
GENEX RF

- ●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

P.N. GENEX	*Frequency*	*Max Power CW*	*Connectors*	*Impedance*	*Notes*	*Fig.*
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

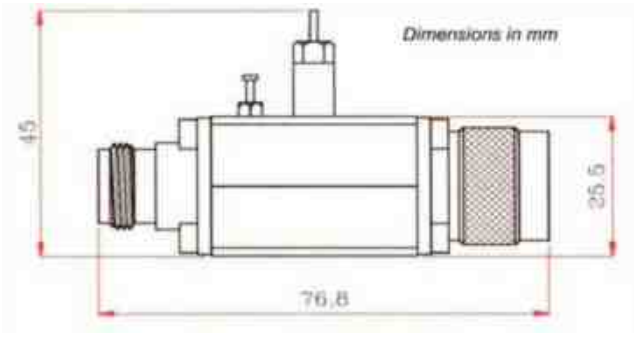
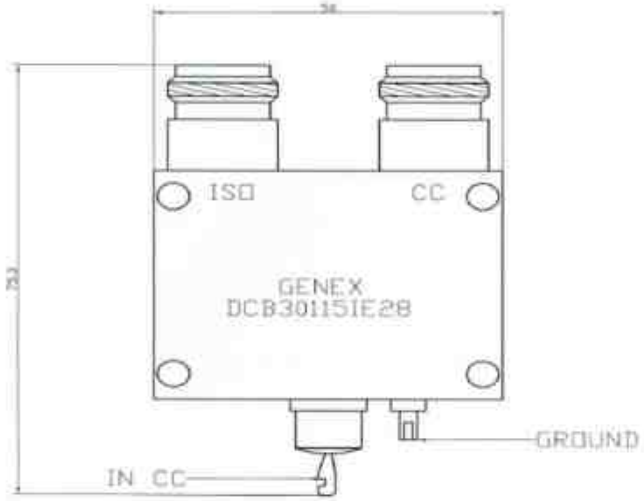


Fig.1 **P/N DCB302010IE**



P/N DCB30115IE28 **Fig.2**

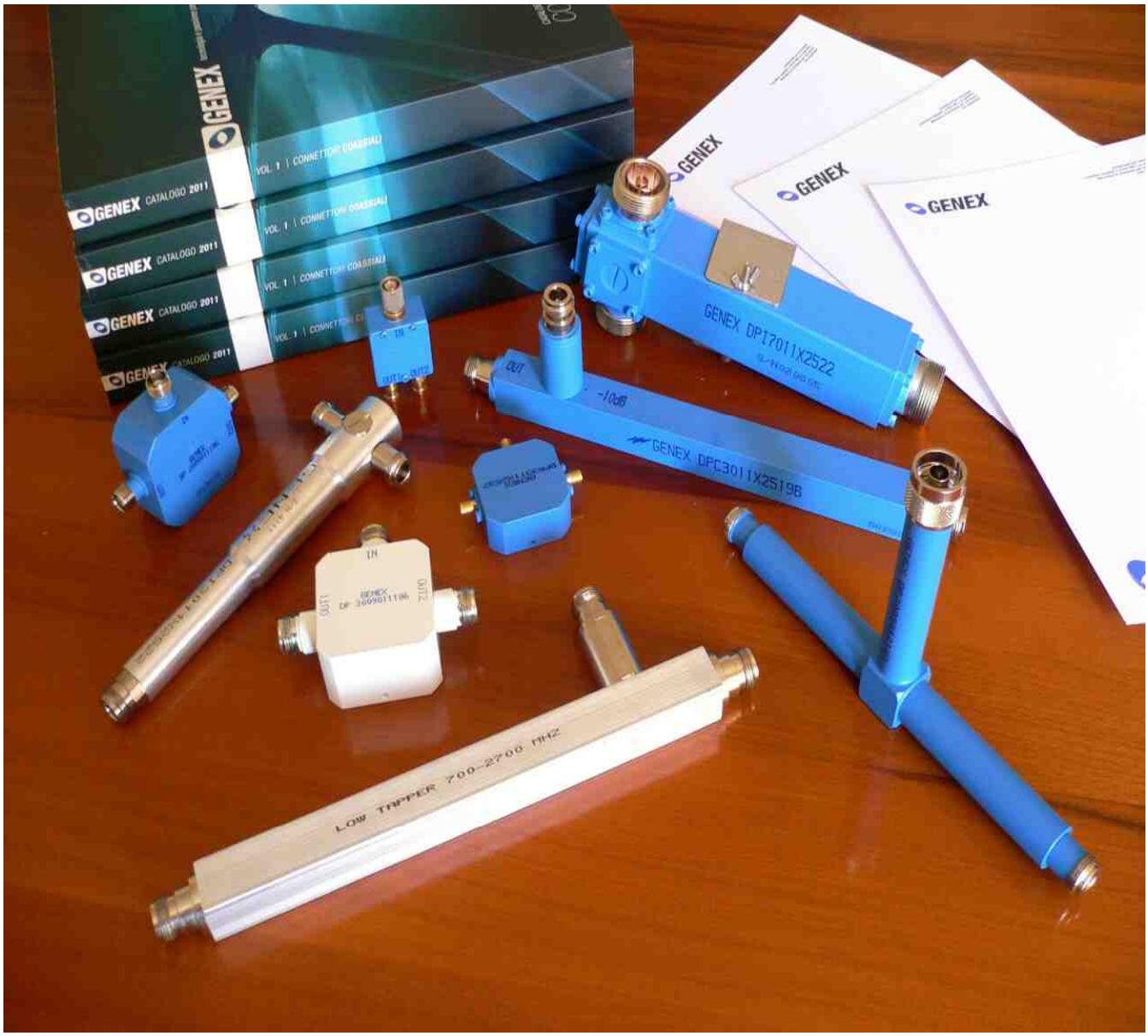
Fig.3 **P/N**

P/N **Fig.4**

Fig.5 **P/N**

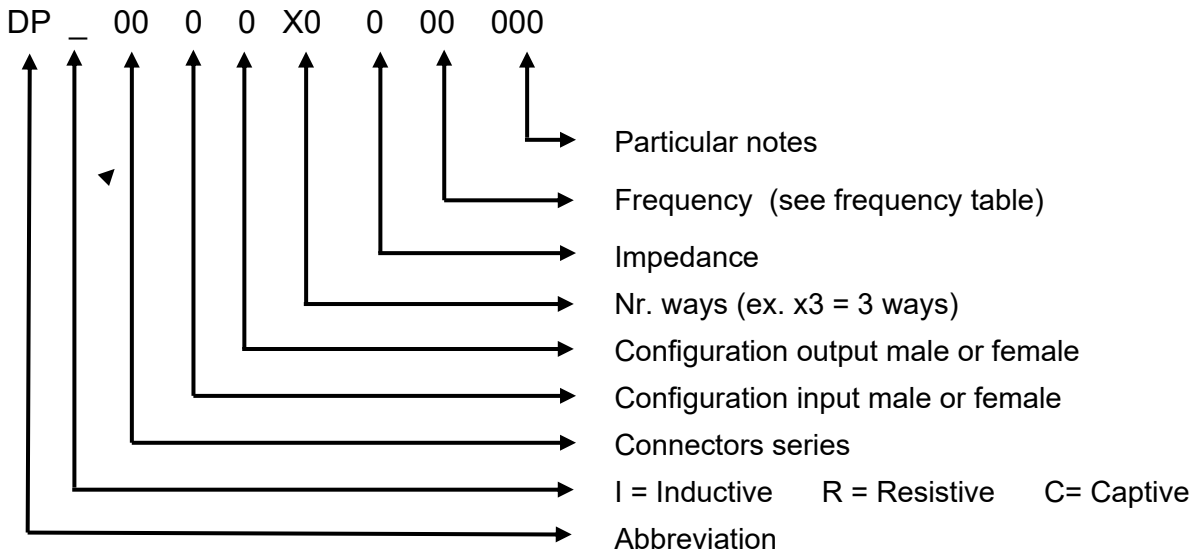
P/N **Fig.6**

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

P.N. GENEX RF	Frequency	Max Power CW	Input Connector	Output Connector	Impedance	N° Ways	Fig.
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

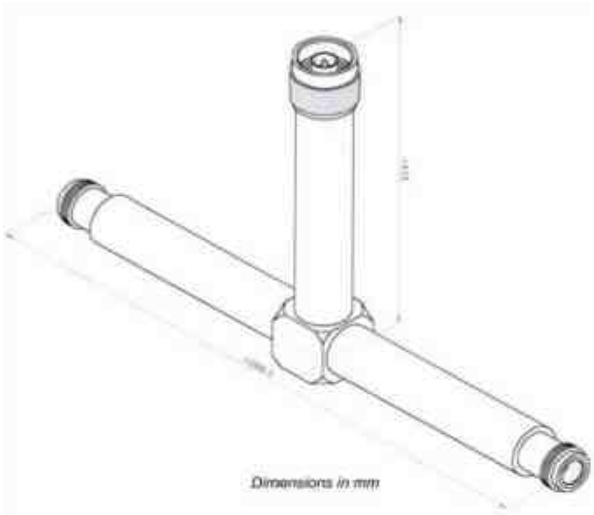
P.N. GENEX RF	Frequency	Max Power CW	Input Connector	Output Connector	Impedance	N° Ways	Fig.
DPI1011X4701	0,05 - 1,0 GHz	2 W	BNC f	BNC f	75 Ω	4	17
DPI2011X8511	0,03 - 2,5 GHz	20 W	TNC f	TNC f	50 Ω	8	38
DPI3011X2522	800-2500 MHz	150 W	N f	N f	50 Ω	2	13
DPI3011X2544	3,4 - 3,6 GHz	150 W	N f	N f	50 Ω	2	37
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)

P.N. GENEX RF	Frequency	Max Power CW	Input Connector	Output Connector	Coupling	Imp.	Fig.
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

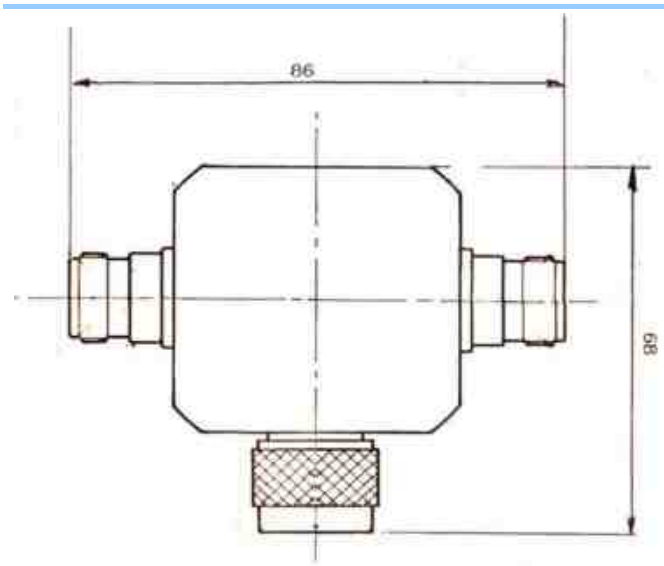
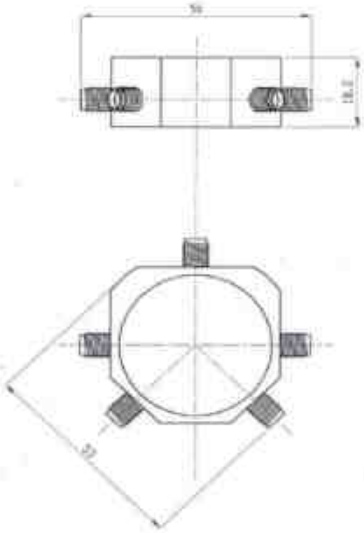


Fig.3 P/N DPR3021X2511



P/N DPR3311X4511 Fig.4

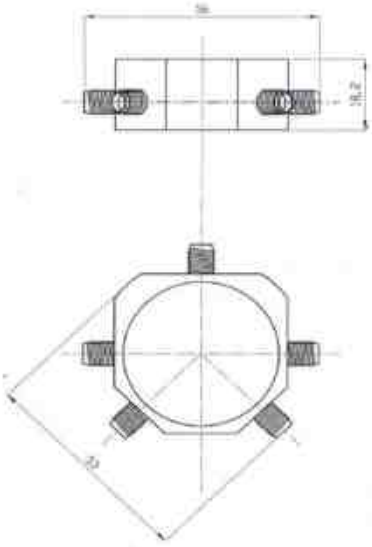
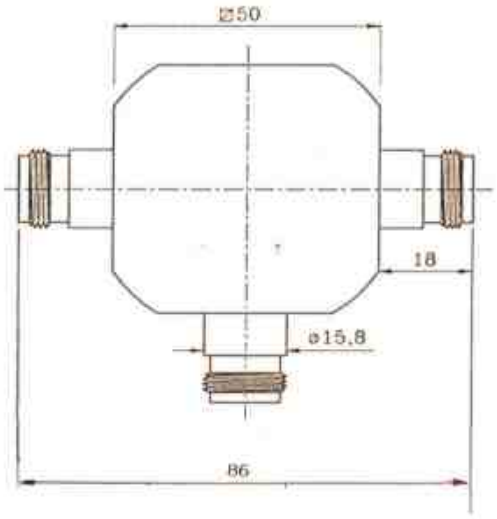


Fig.5 P/N DPR3311X4537



P/N DPR 3011X2511 Fig.6

POWER SPLITTERS DRAWINGS

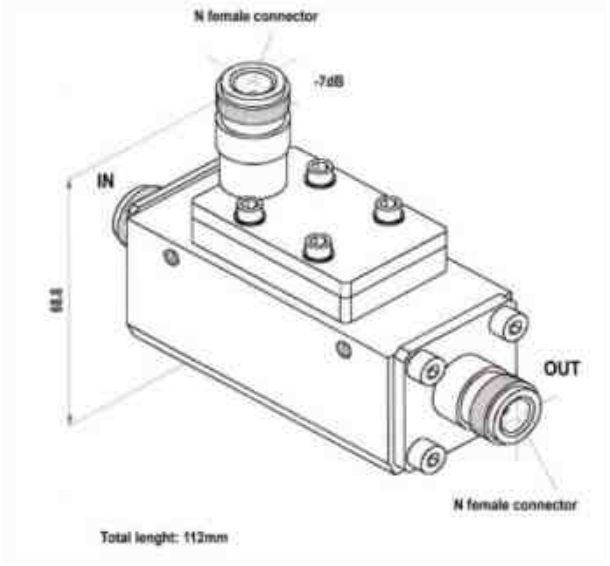
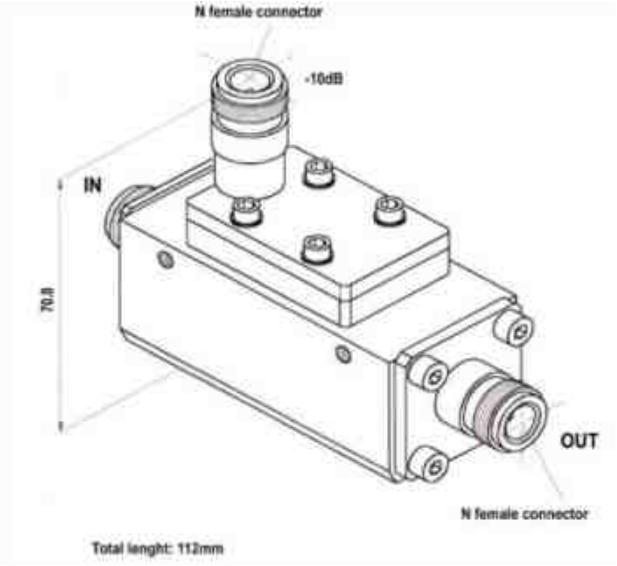


Fig.7 P/N DPC3011X2522A



P/N DPC3011X2522B Fig.8

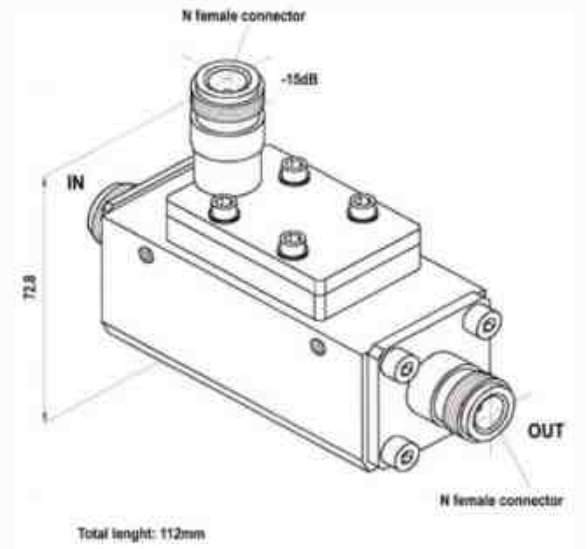
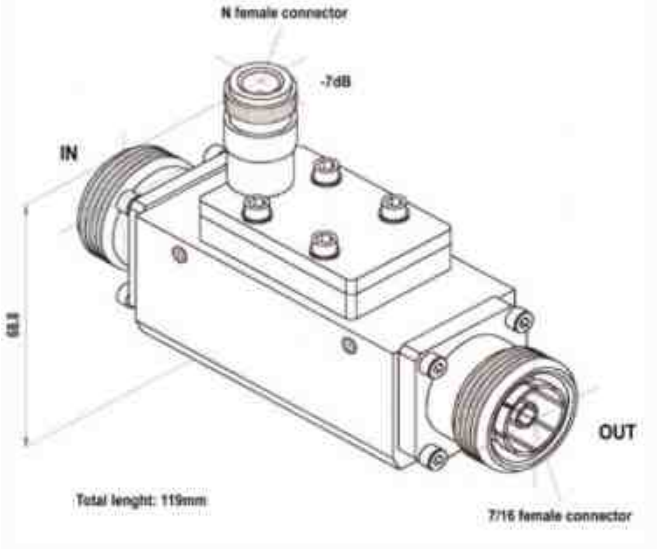


Fig.9 P/N DPC3011X2522C



P/N DPC7011X2522A Fig.10

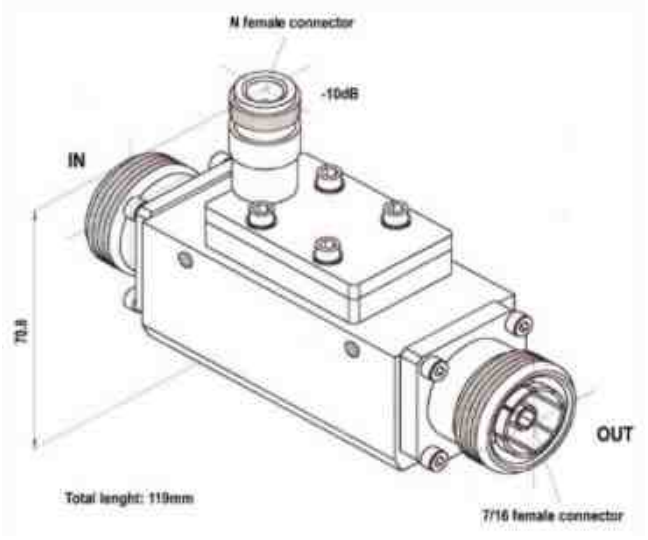
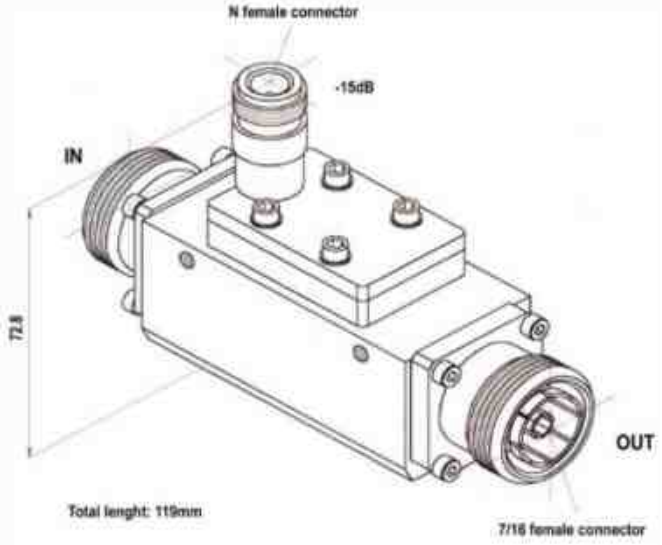


Fig.11 P/N DPC7011X2522B



P/N DPC7011X2522C Fig.12

POWER SPLITTERS DRAWINGS

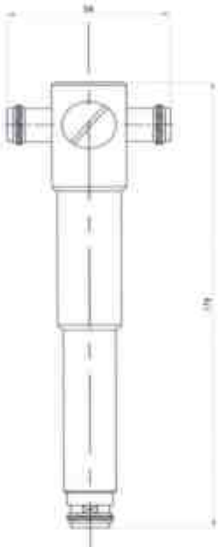
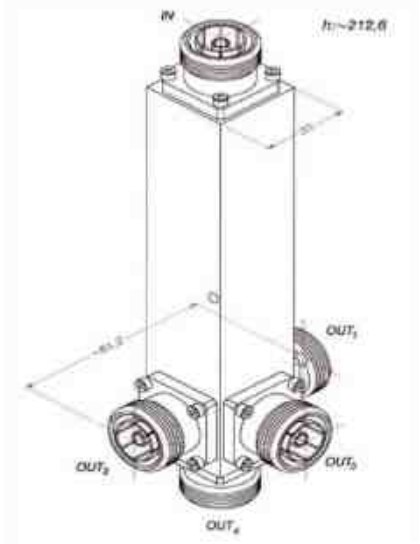


Fig.13 P/N DPI3011X2522



P/N DPI7011X4522SGDR Fig.14

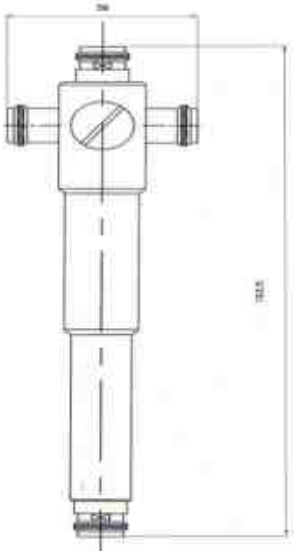
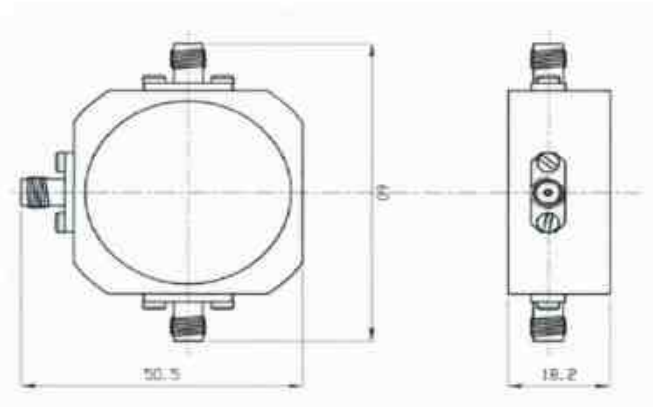


Fig.15 P/N DPI3011X3522



P/N DPR3311X2543 Fig.16

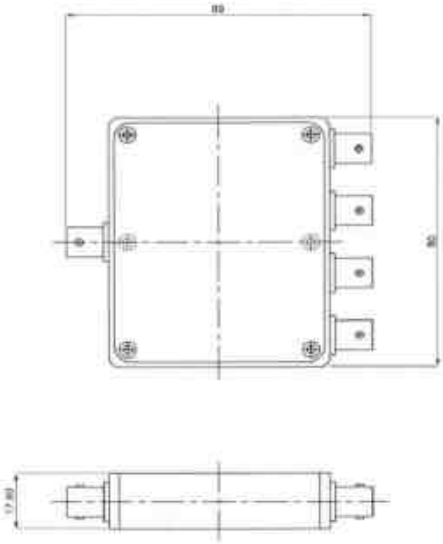
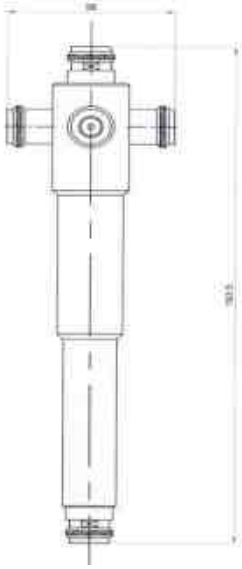


Fig.17 P/N DPI1011X4701



P/N DPI3011X4522 Fig.18

POWER SPLITTERS DRAWINGS

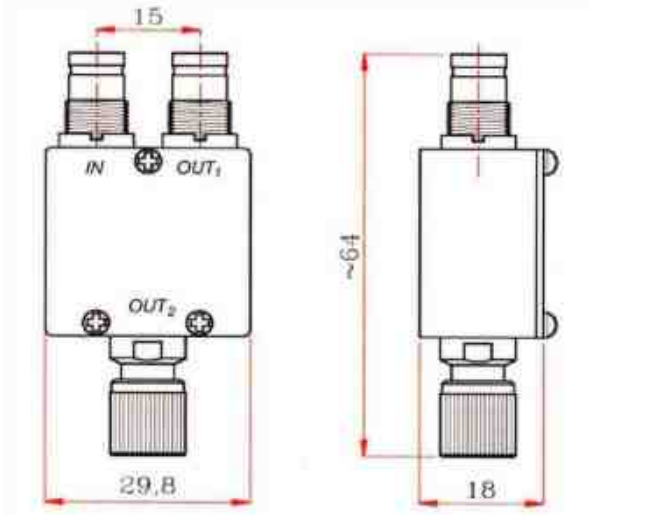


Fig.19 P/N DPI6121X2717R

P/N DPI6121X2717 Fig.20

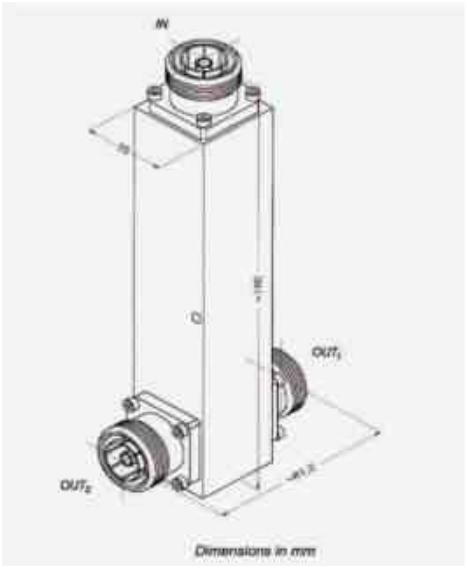
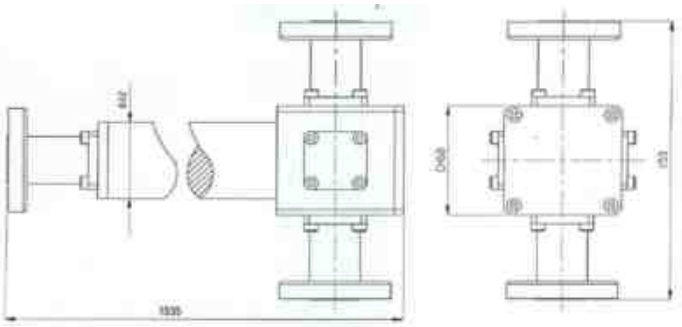


Fig.21 P/N DPI7011X2522SG



P/N DPI7800X25092S Fig.22

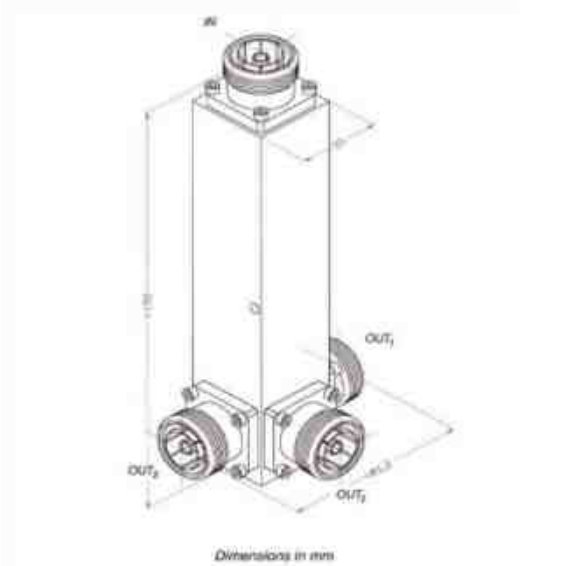
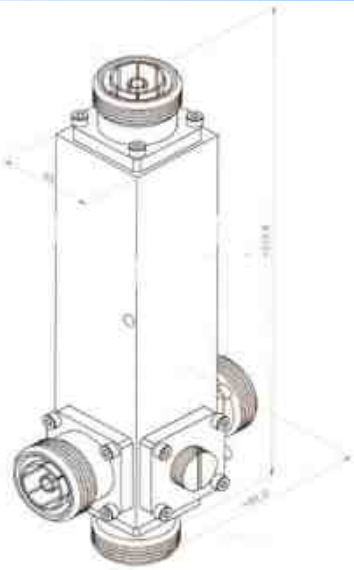


Fig.23 P/N DPI7011X3522SG



P/N DPI7011X3522SGDR Fig.24

POWER SPLITTERS DRAWINGS

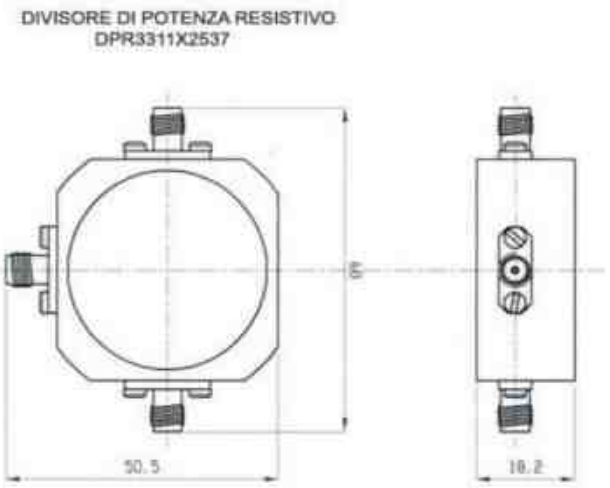
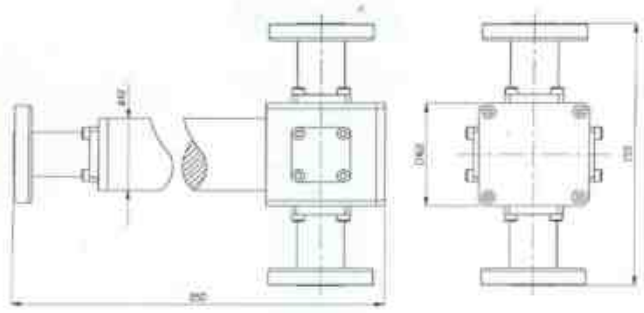


Fig.25 P/N DPR3311X2537



P/N DPI7800X2509 Fig.26

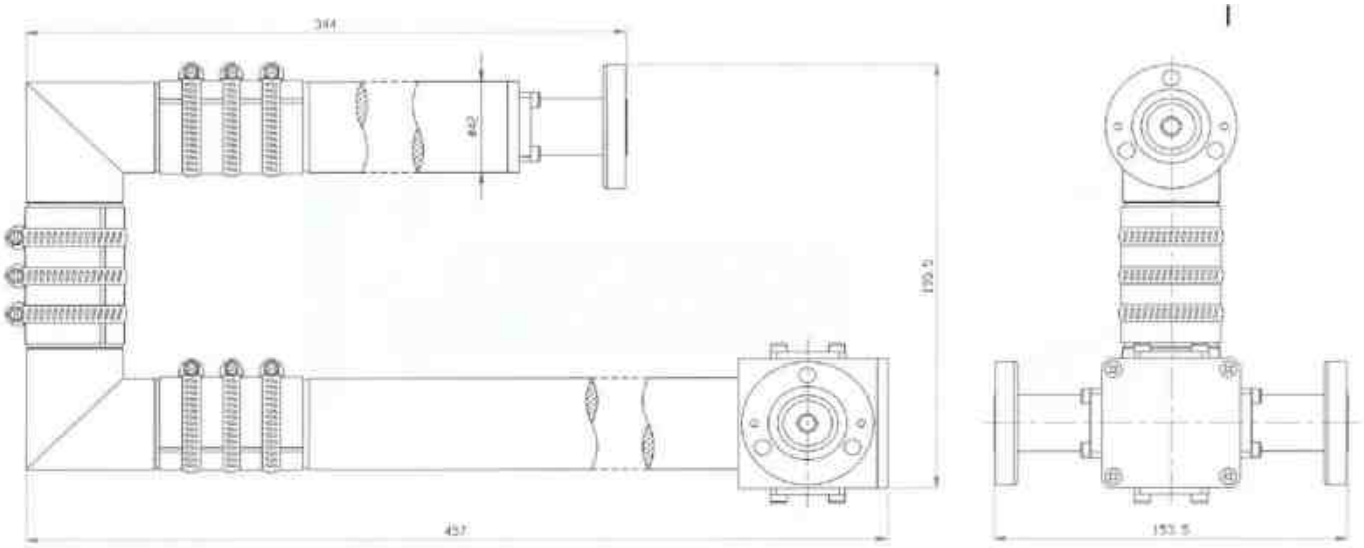


Fig.27 P

P/N DPI7800X2509U

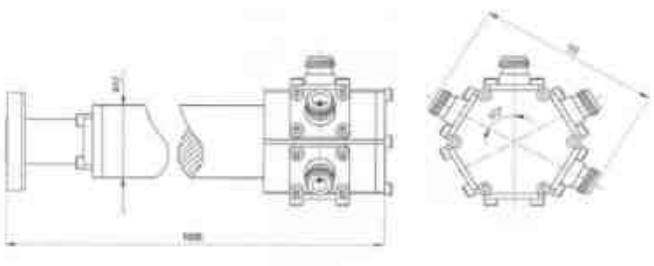
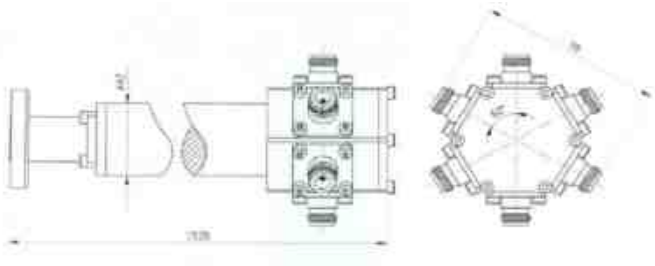


Fig.28 P/N DPI780301X45092S



P/N DPI780301X65092S Fig.29

POWER SPLITTERS DRAWINGS

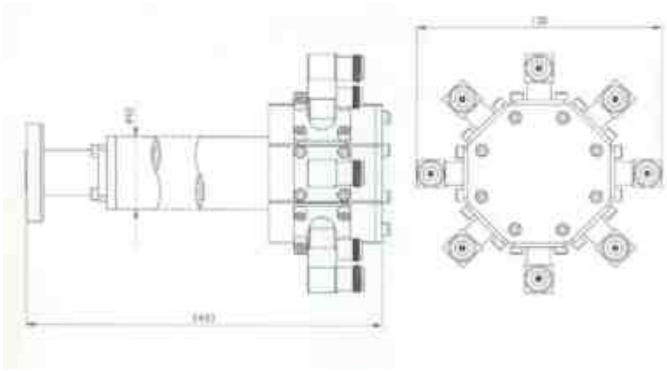
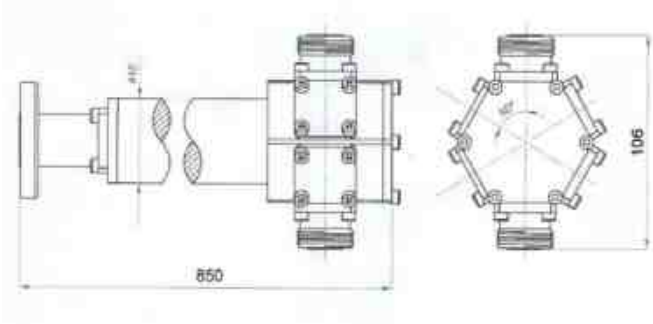


Fig.30 P/N DPI780301X85092S



P/N DPI780701X2509 Fig.31

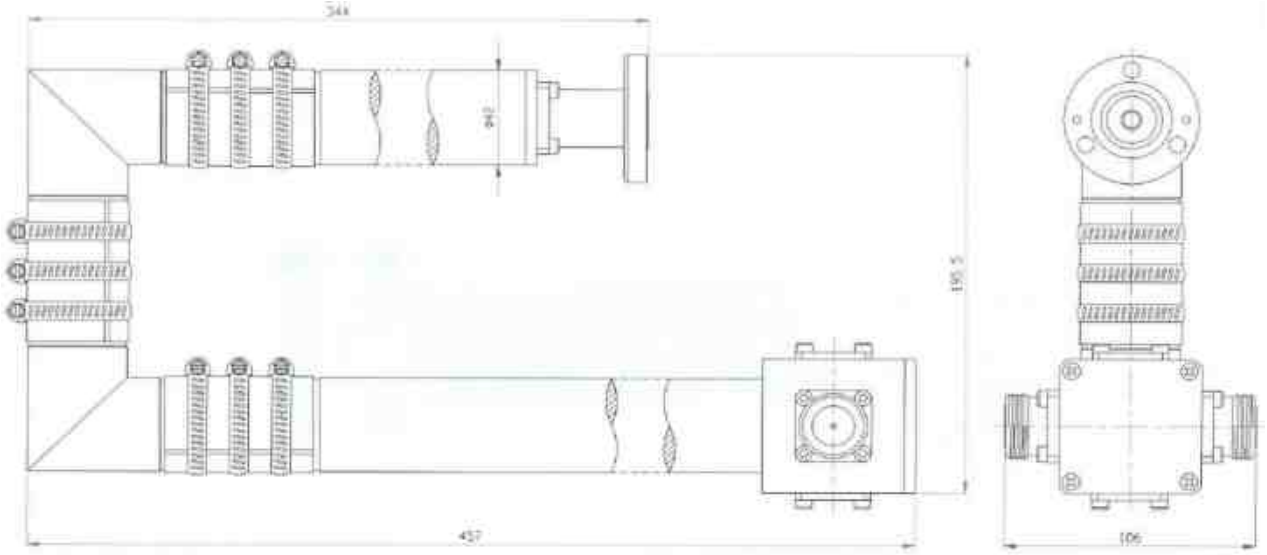


Fig.32 P P/N DPI780701X2509U

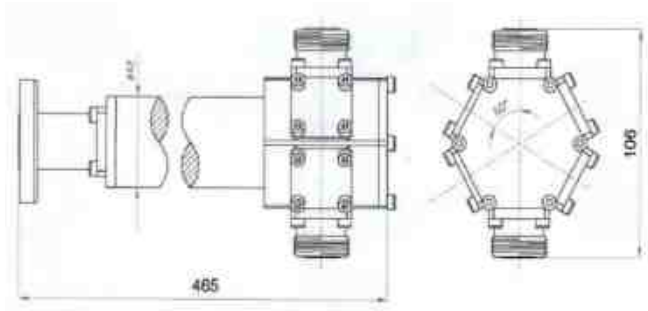
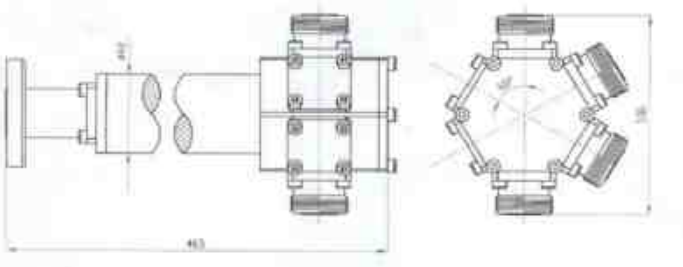


Fig.33 P/N DPI780701X25123S



P/N DPI780701X45123S Fig.34

POWER SPLITTERS DRAWINGS

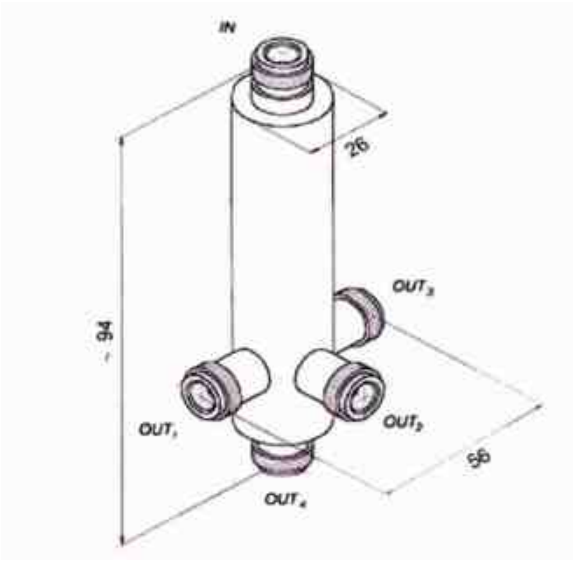
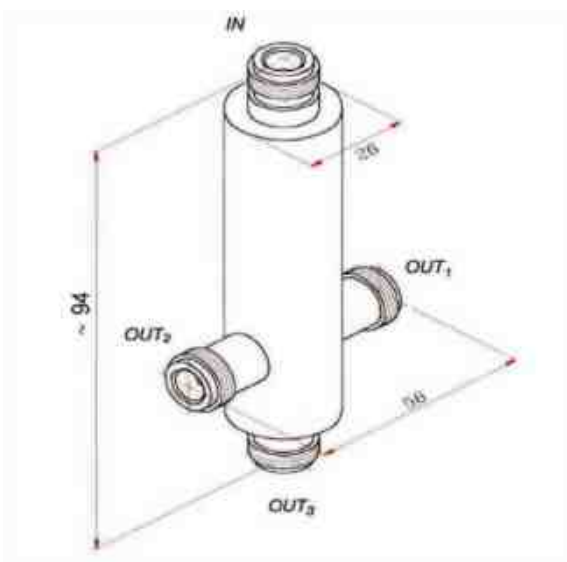


Fig.35 P/N DPI3011X4544



P/N DPI3011X3544 Fig.36

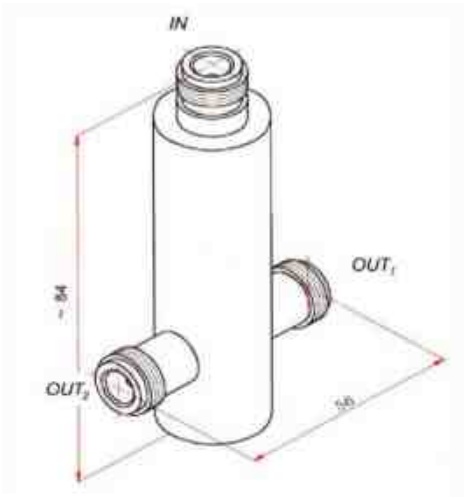
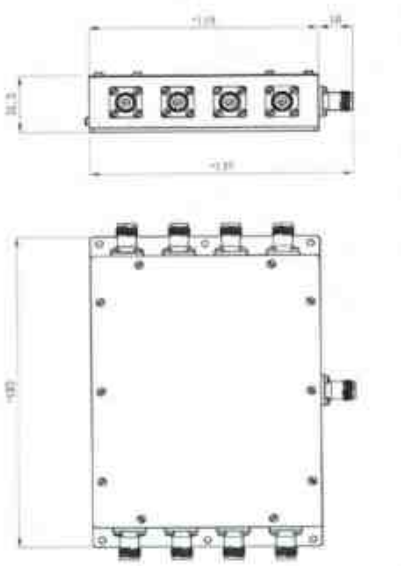


Fig.37 P/N DPI3011X2544



P/N DPI2011X8511 Fig.38

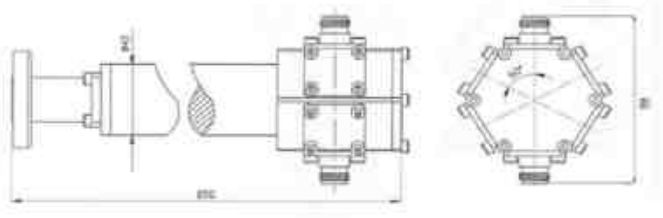
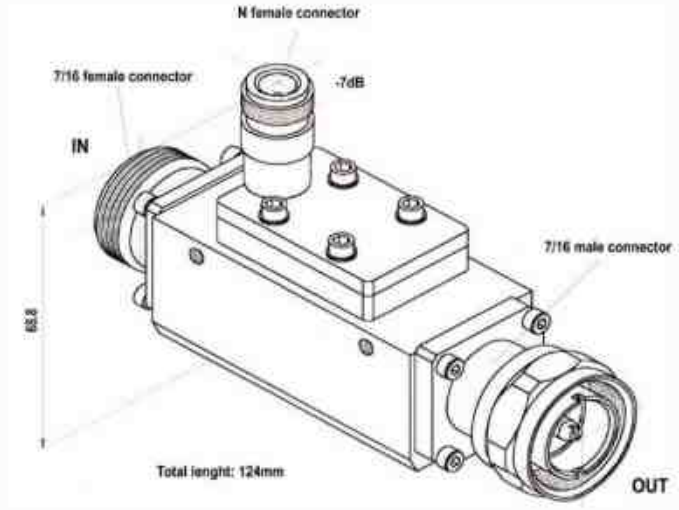


Fig.39 P/N DPI780301X2509



P/N DPC7021X2522A Fig.40

POWER SPLITTERS DRAWINGS

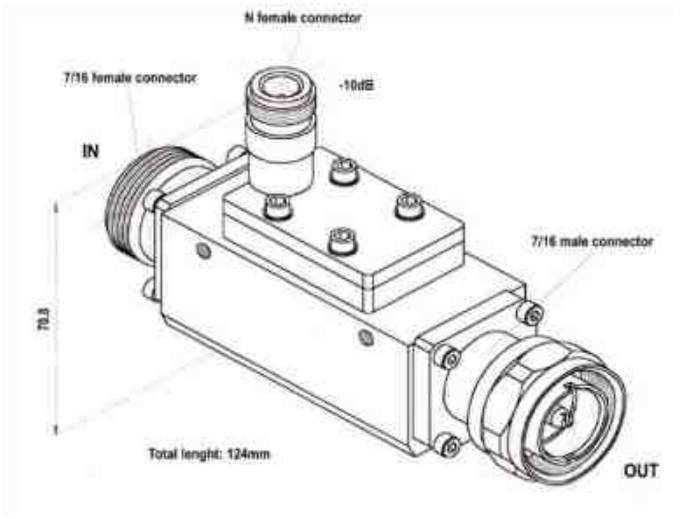
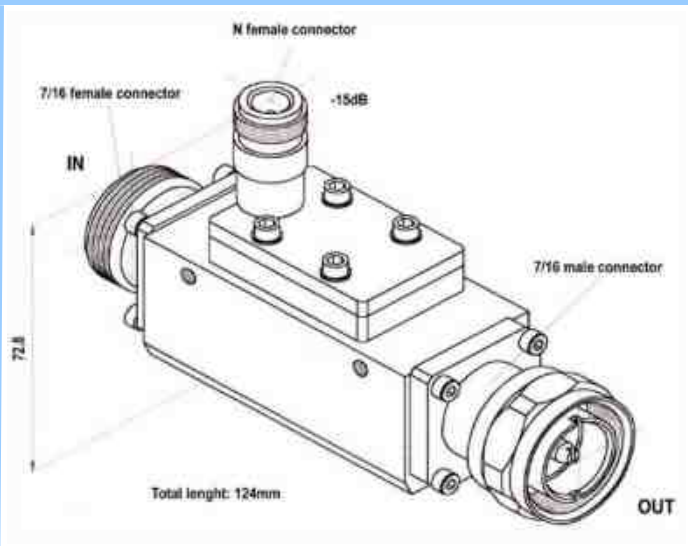
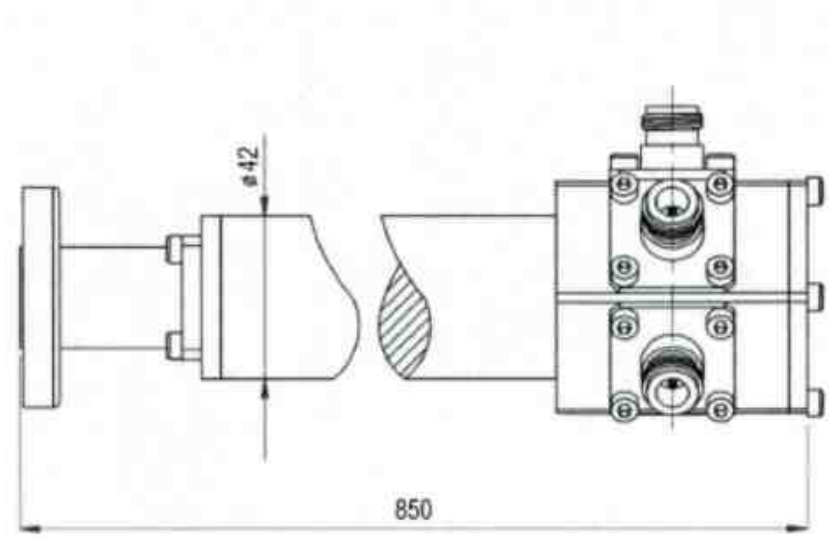


Fig.41 P/N DPC7021X2522B



P/N DPC7021X2522C Fig.42



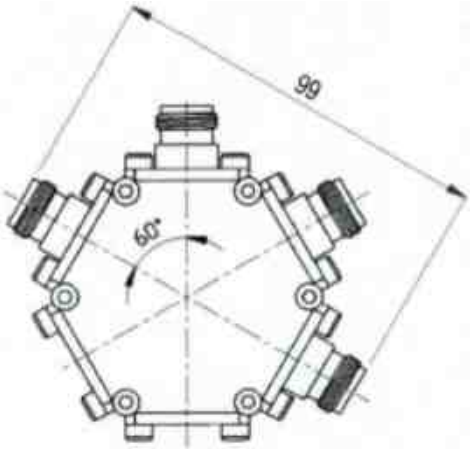
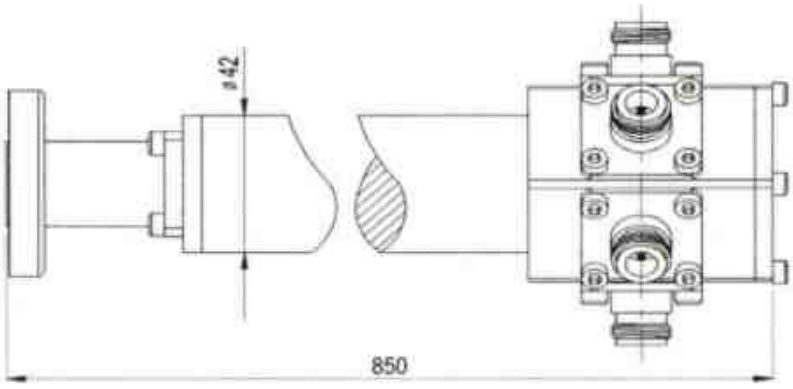


Fig.43 P P/N DPI780301X4509



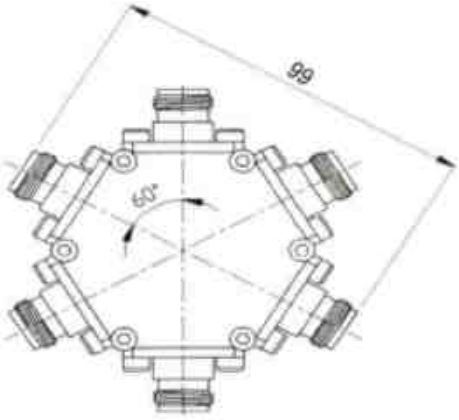


Fig.44 P/N DPI780301X6509

POWER SPLITTERS DRAWINGS

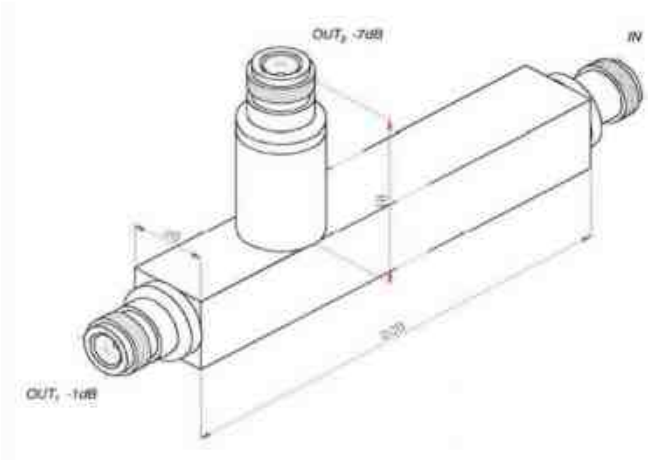


Fig.45 **P/N DPC3011X2548A**

P/N **Fig.46**

Fig.47 **P/N**

P/N **Fig.48**

Fig.49 **P/N**

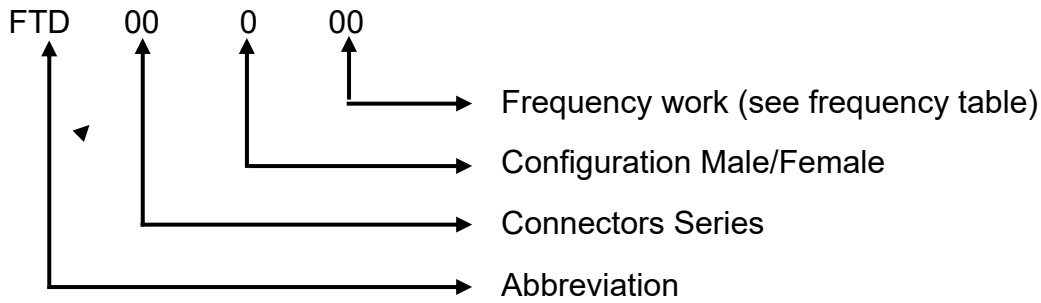
P/N **Fig.50**

FILTERS

Components described following up represent our standard production. On request is possible produce Filters with different data sheet.

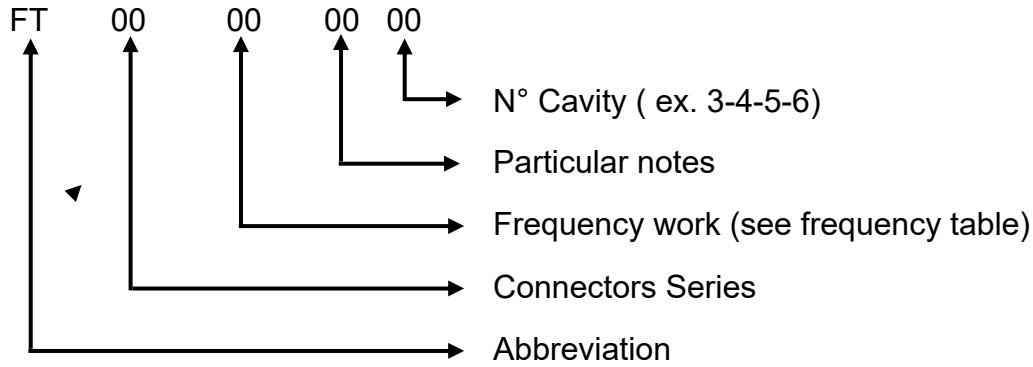
GENEX RF FILTERS PART NUMBER

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

P.N. GENEX RF	Frequency	Max Power CW	Connectors	Notes	Fig.
FTD30124	850 - 2200 MHz	150 ÷ 250W	N F		2
FTD70124	800 - 2200 MHz	150 ÷ 250W	DIN 7/16 F	Pond	1

PASS BAND FILTERS

P.N. GENEX RF	Frequency	Max Power CW	Connectors	Notes	Fig.
FT3005PB06	840 - 960 MHz	200 W	N f		

FILTERS DRAWINGS

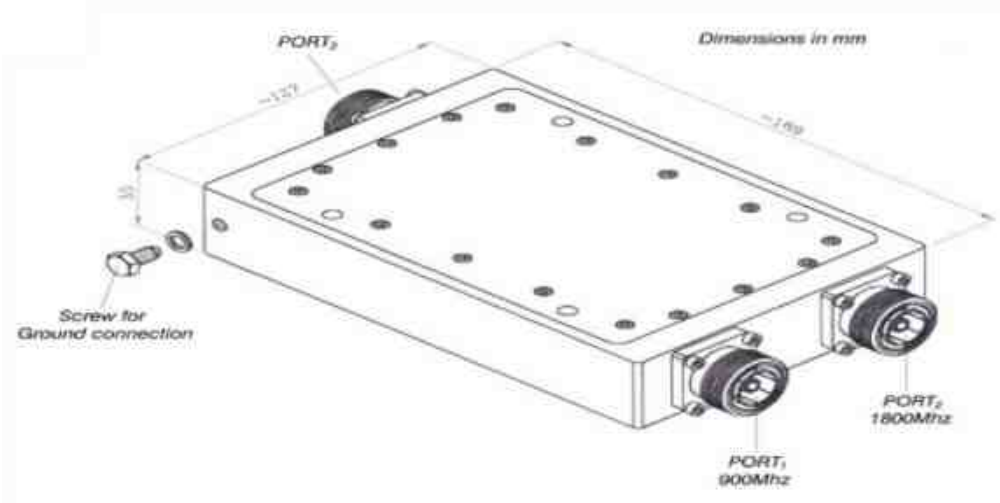


Fig.1

P/N FTD70124

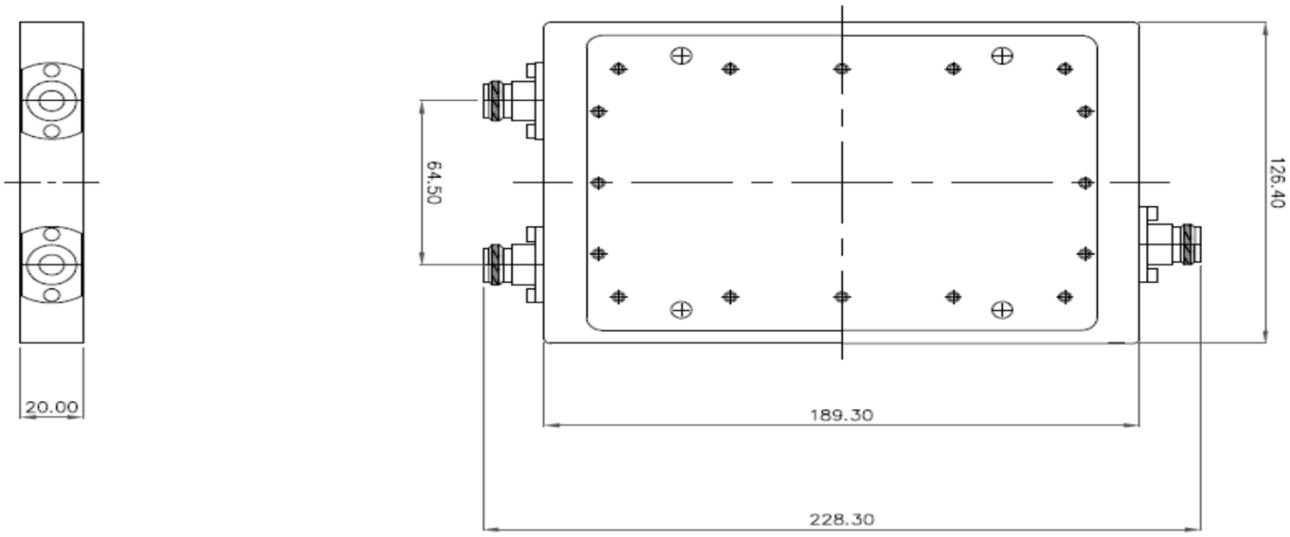


Fig.2

P/N FTD30124

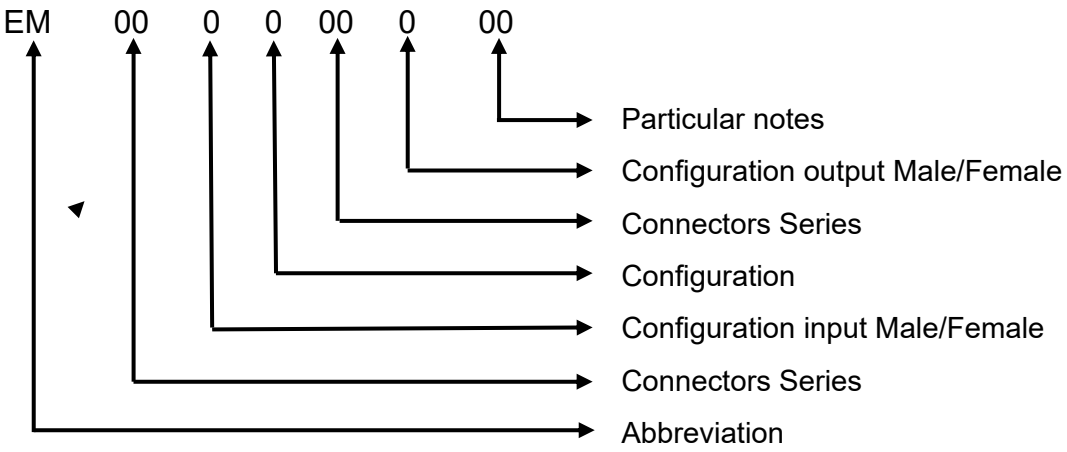
Fig.3

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 = Juction 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

P.N. GENEX RF	Description	Frequency	Return Loss	Insertion Loss	Impedance	Notes	Fig.
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

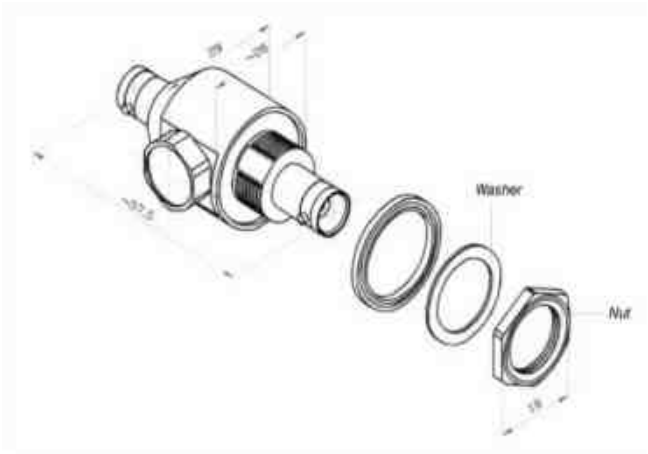


Fig.1 P/N EM1017101

P/N EM3017301 Fig.2

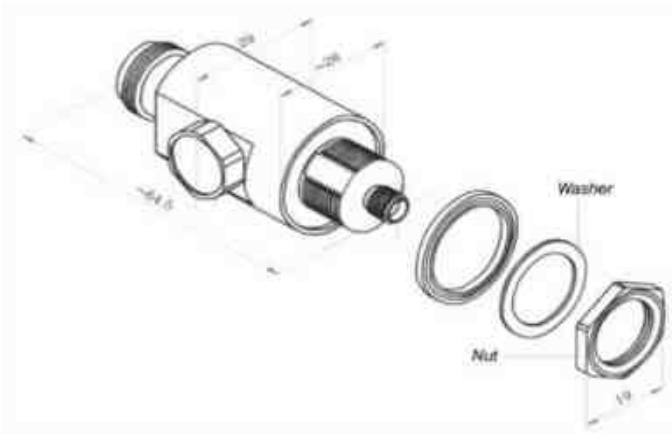
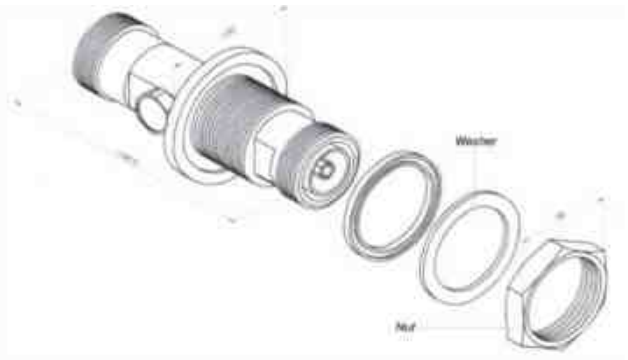


Fig.3 P/N EM3317301



P/N Fig.4

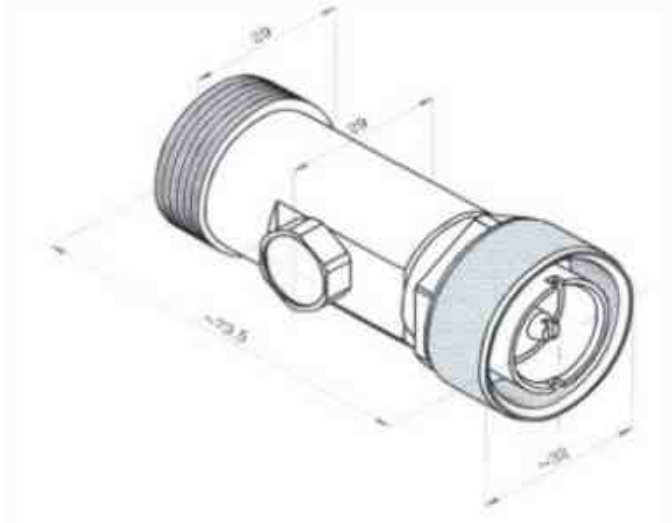
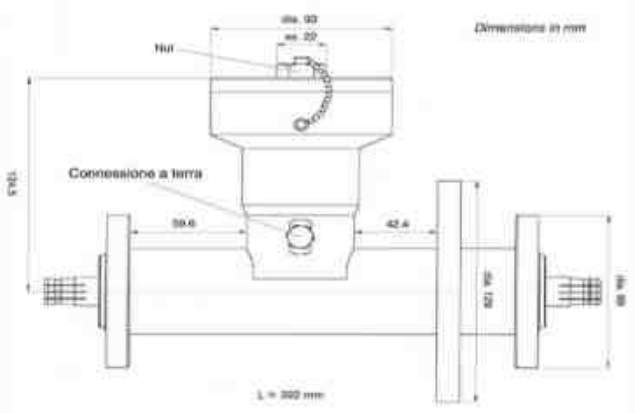


Fig.5 P/N EM7023701



P/N EM750775JS Fig.

LIGHTNING/EMP PROTECTORS DRAWINGS

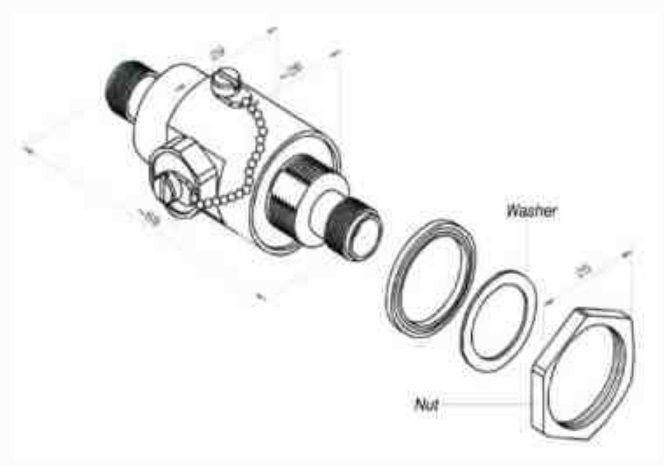
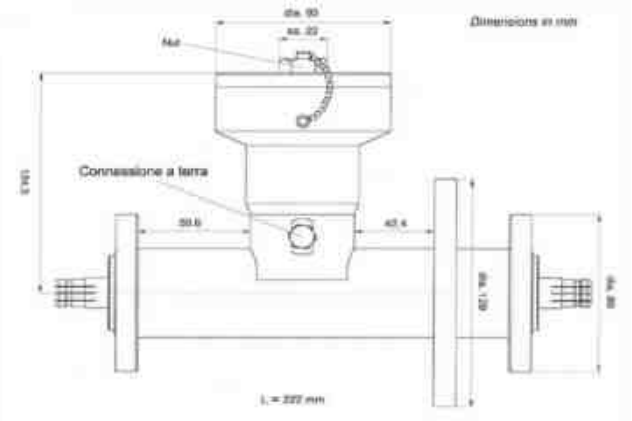


Fig.7 P/N EM2017201



P/N EM750775RX Fig.8

Fig.9 P/N

P/N Fig.10

Fig.11 P/N

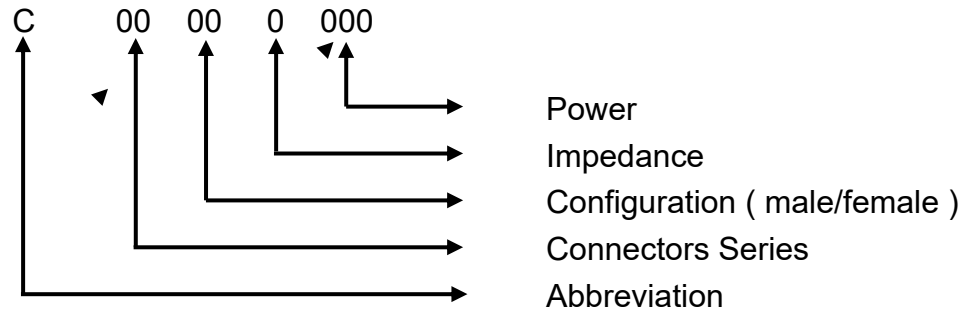
P/N Fig.12

In naval area, GENEX RF organize RF wiring dedicated: there are examples like our Lighting\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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C3310501LV	DC - 18 GHZ	1W	50Ω	of precision	
C3310505	DC - 12 GHZ	5W	50Ω		

TNC MALE CONNECTOR

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C6820502	DC/11 GHz	2 W	50Ω		12

4.1/9.5 FEMALE CONNECTOR

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C6810502	DC/11 GHz	2 W	50Ω		11

1.0/2.3 MALE CONNECTOR

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C4220701	DC/1,0 GHz	1 W	75Ω		9

1.6/5.6 MALE CONNECTOR

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C6120701	DC/1,0 GHz	1 W	75Ω		10

4.6/16 MALE CONNECTOR

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C6920705	DC/2 GHz	5 W	75Ω		23

FLANGE EIA 7/8"

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
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

P.N. GENEX RF	Frequency	Power	OHM	NOTES	Fig.
C7400525	DC/7 GHz	25 W	50Ω		27

COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

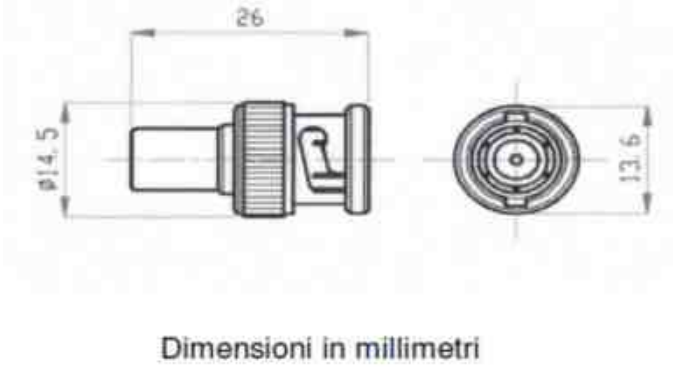
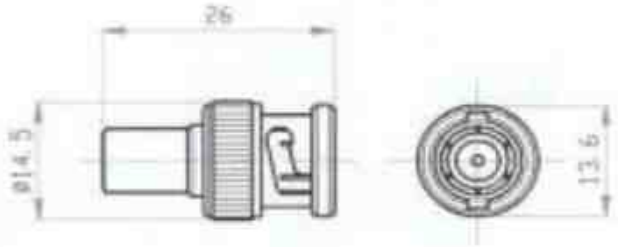


Fig.1 **P/N C1020501**



P/N C1020701 **Fig.2**

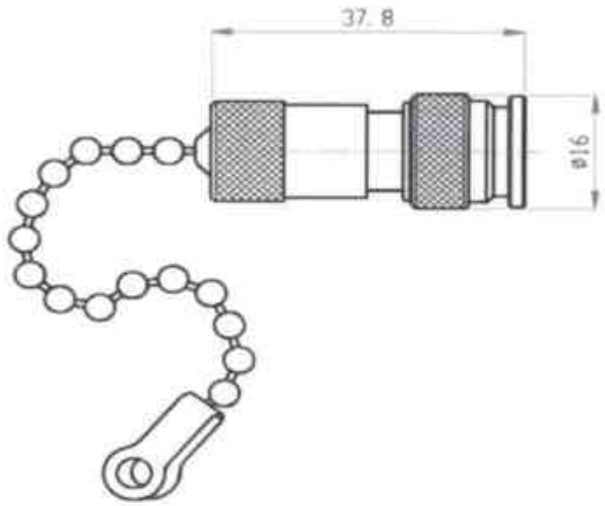
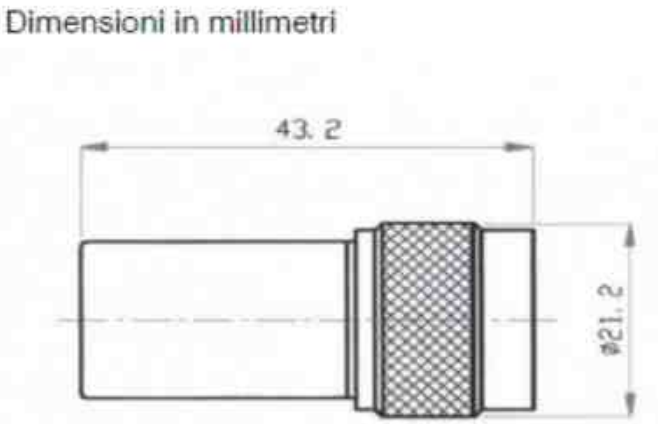


Fig.3 **P/N C2020502**



P/N C3020501LV **Fig.4**

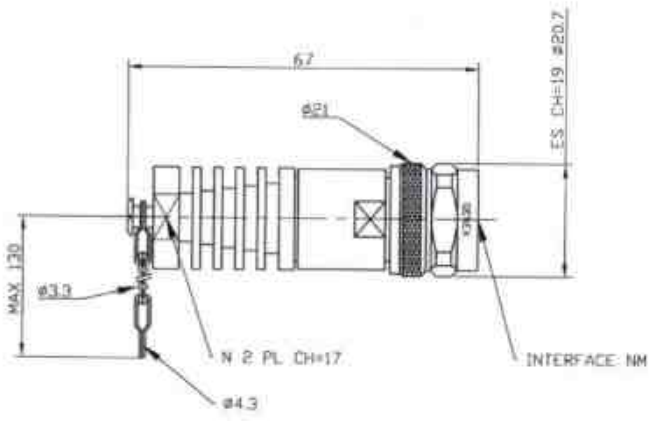
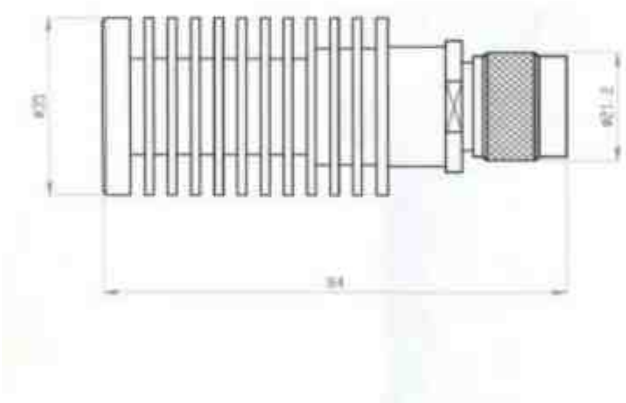


Fig.5 **P/N C3020505**



P/N C3020515 **Fig.6**

COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

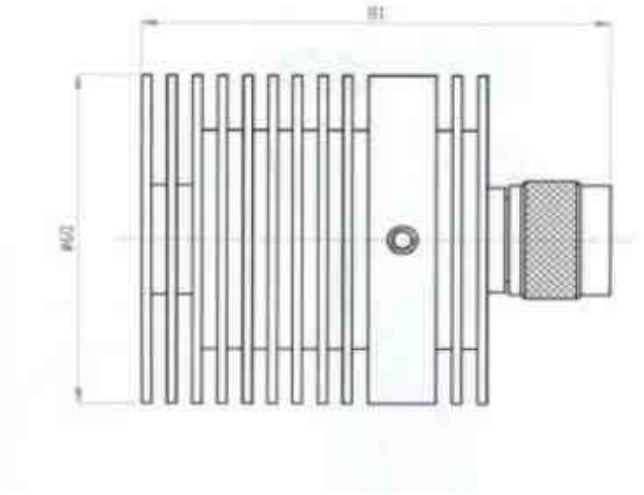
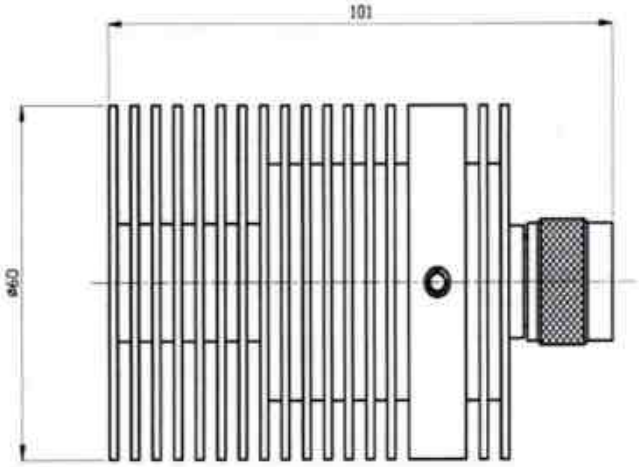


Fig.7 P/N C3020540



P/N C3020560 Fig.8

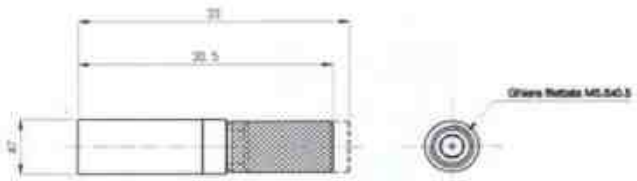
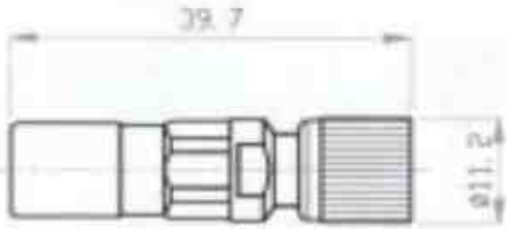
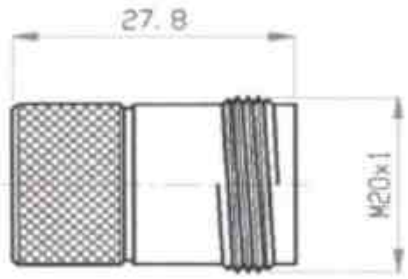


Fig.9 P/N C4220701

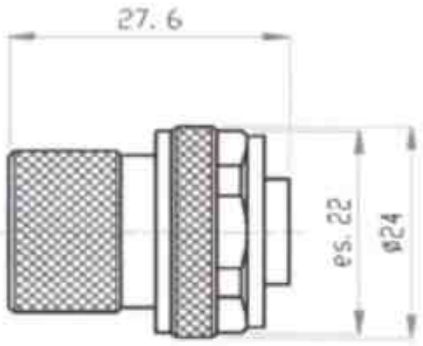


P/N C6120701 Fig.10



Dimensioni in millimetri

Fig.11 P/N C6810502



P/N C6820502 Fig.12

COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

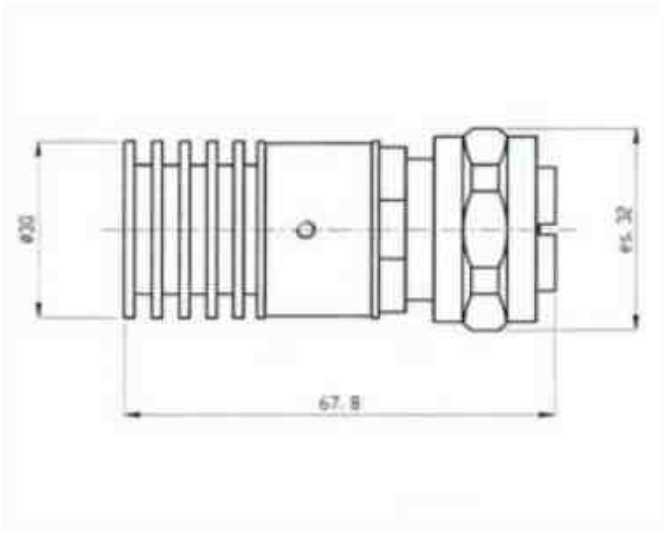
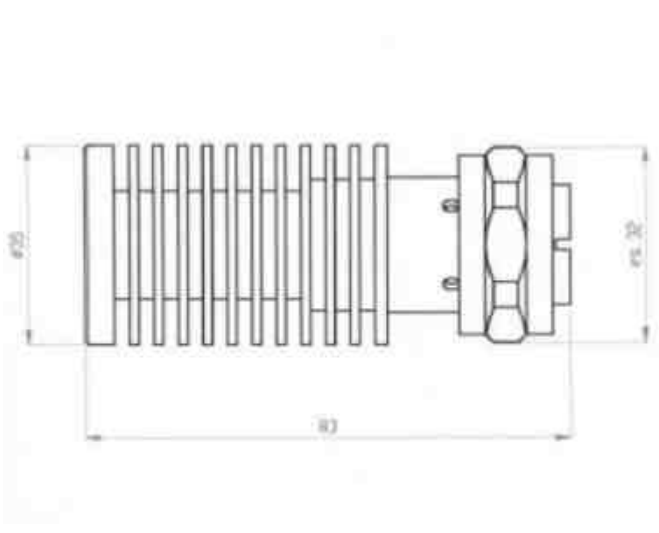


Fig.13 P/N C7020505



P/N C7020515 Fig.14

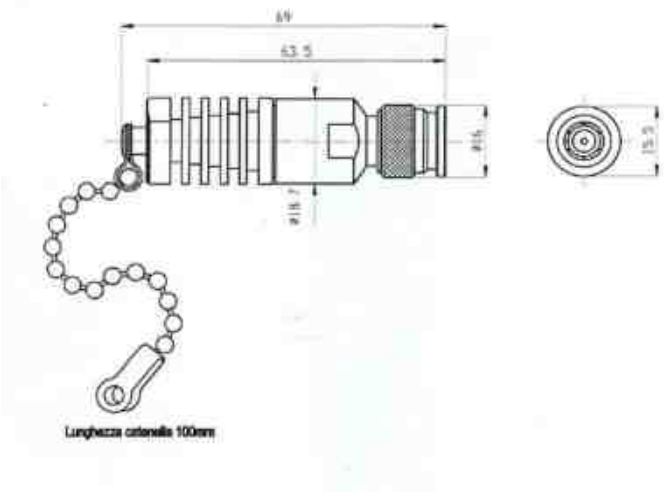
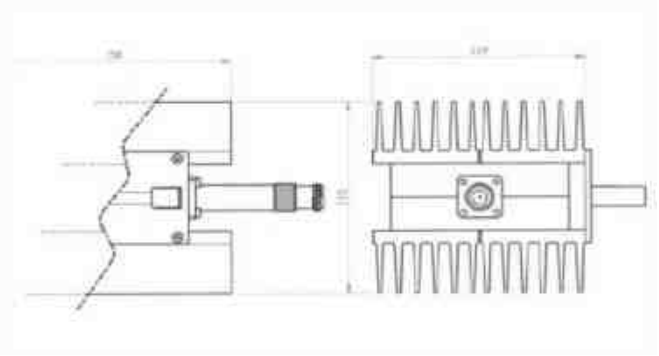


Fig.15 P/N C2020505



P/N C30105150 Fig.16

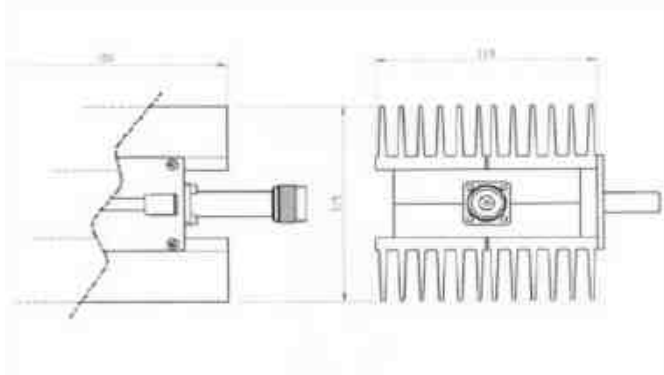
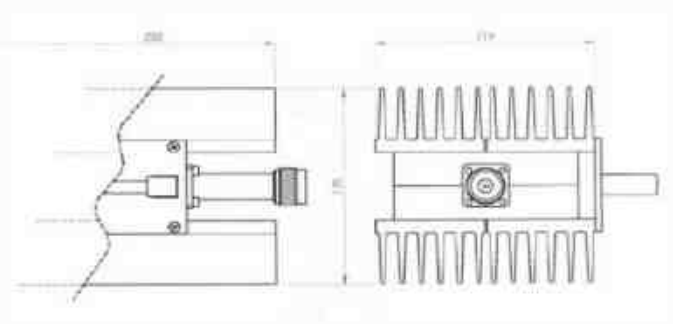


Fig.17 P/N C30205150



P/N C30205250 Fig.18

COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

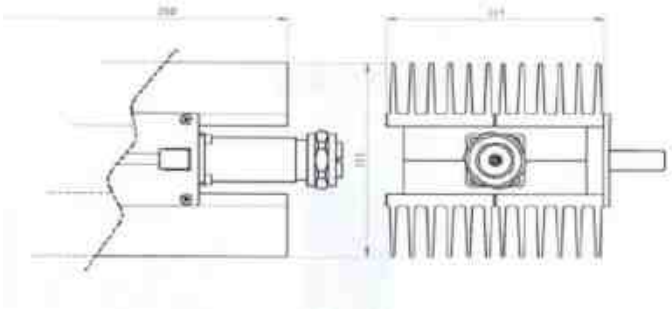
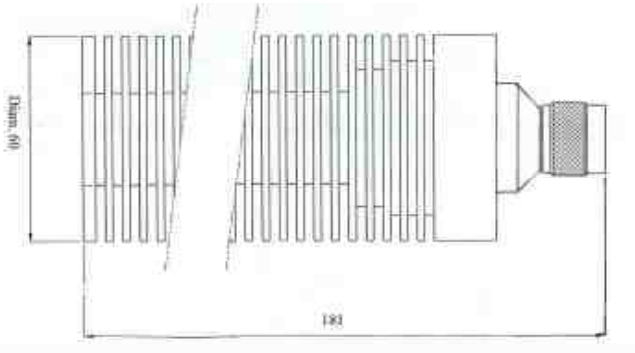


Fig.19 P/N C70205250



P/N C3020560LV Fig.20

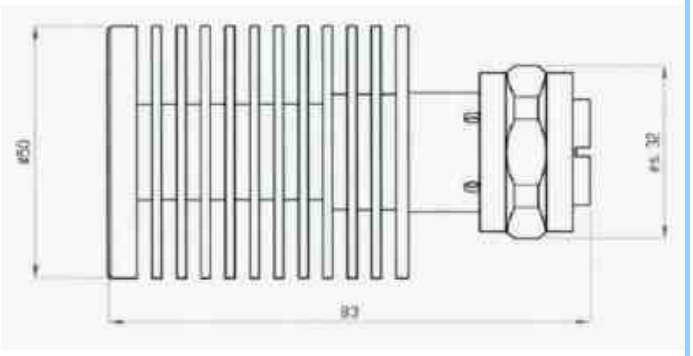
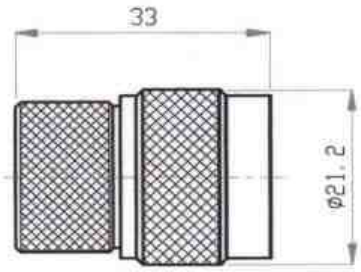


Fig.21 P/N C7020525



P/N C3020501 Fig.22

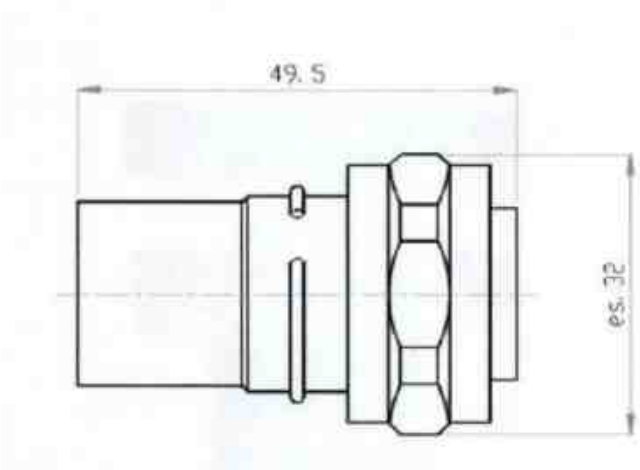
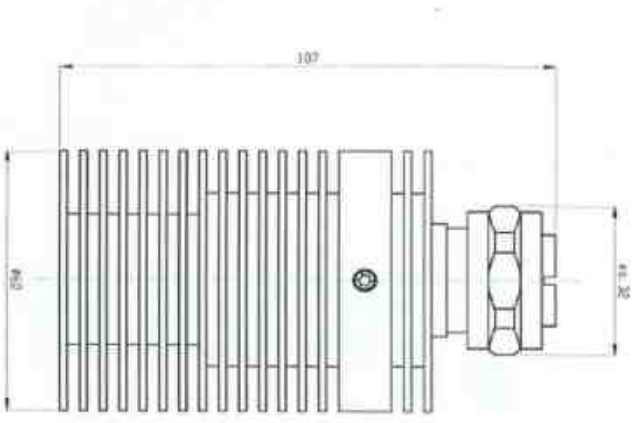


Fig.23 P/N C6920705



P/N C7020560 Fig.24

COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

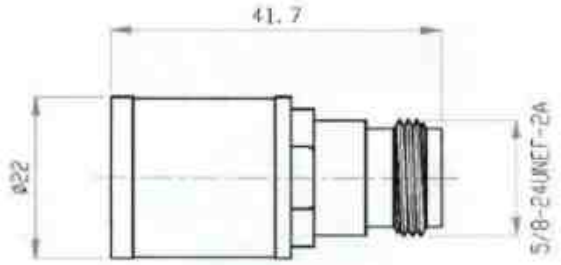
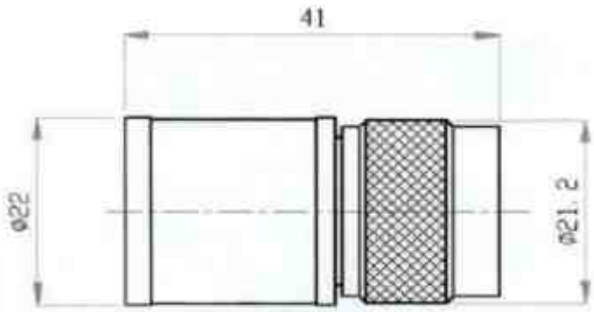


Fig.25 P/N C3010702



P/N C3020702 Fig.26

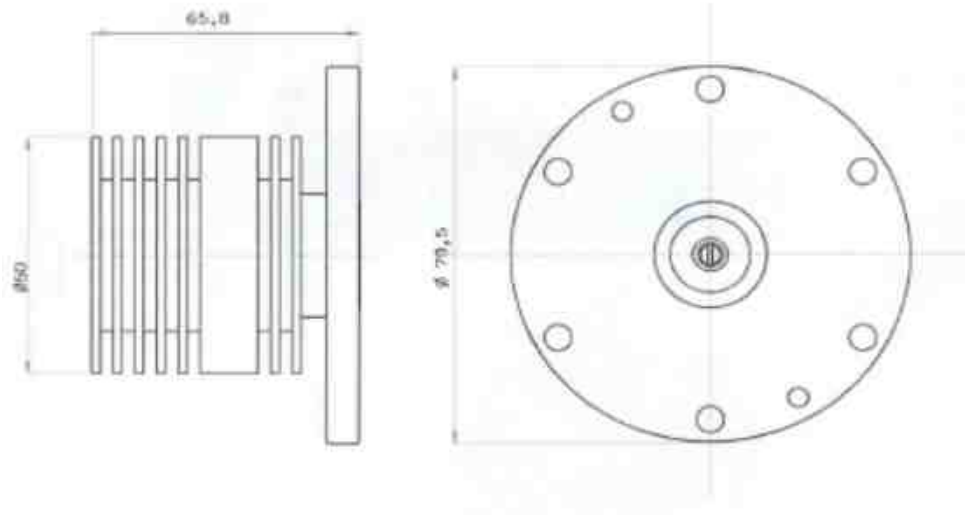


Fig.27 P/N C7400525

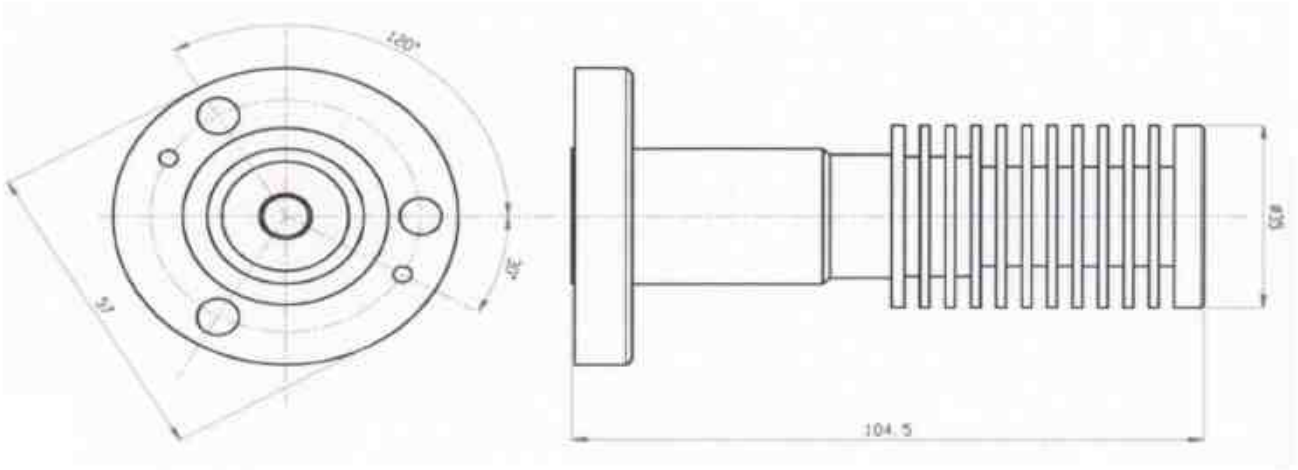


Fig.28 P/N C7800515

COAXIAL TERMINATIONS 50 Ω /75 Ω DRAWINGS

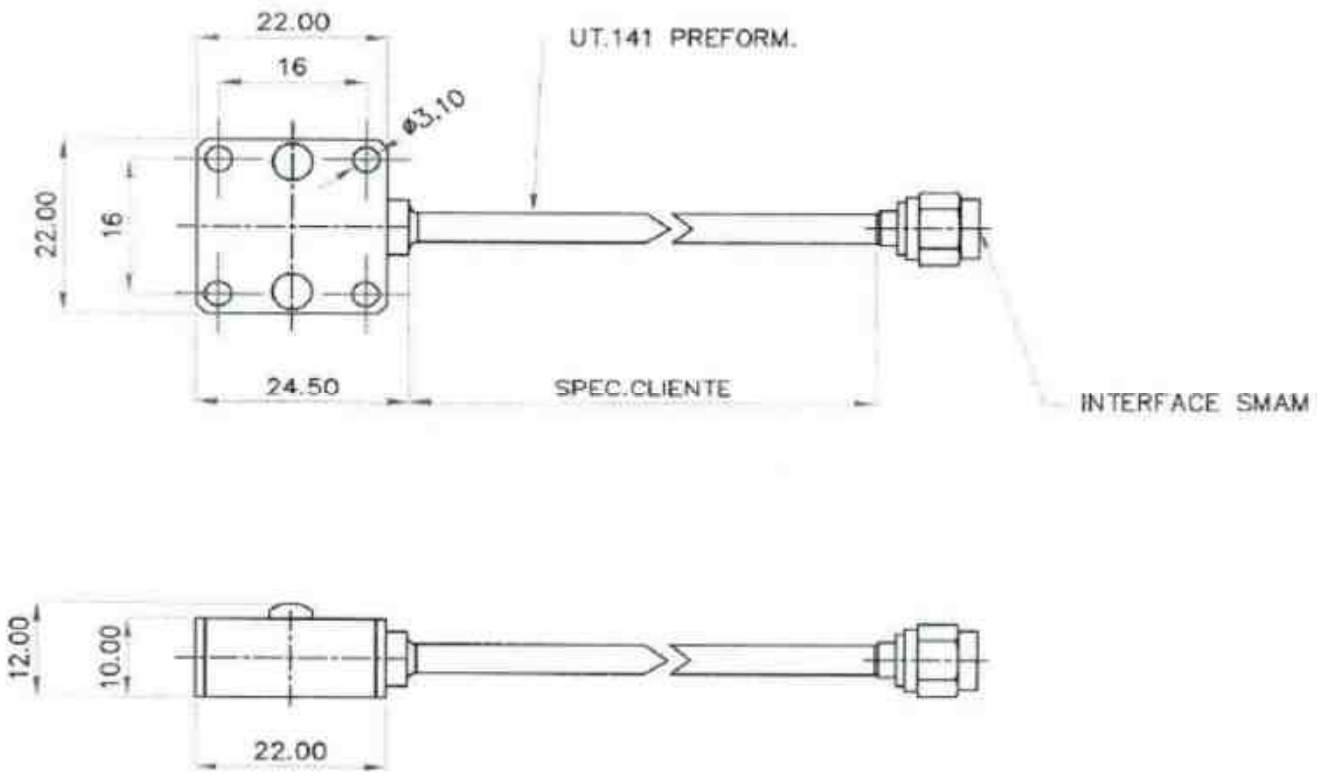


Fig.29 **P/N C33205150141Flex**

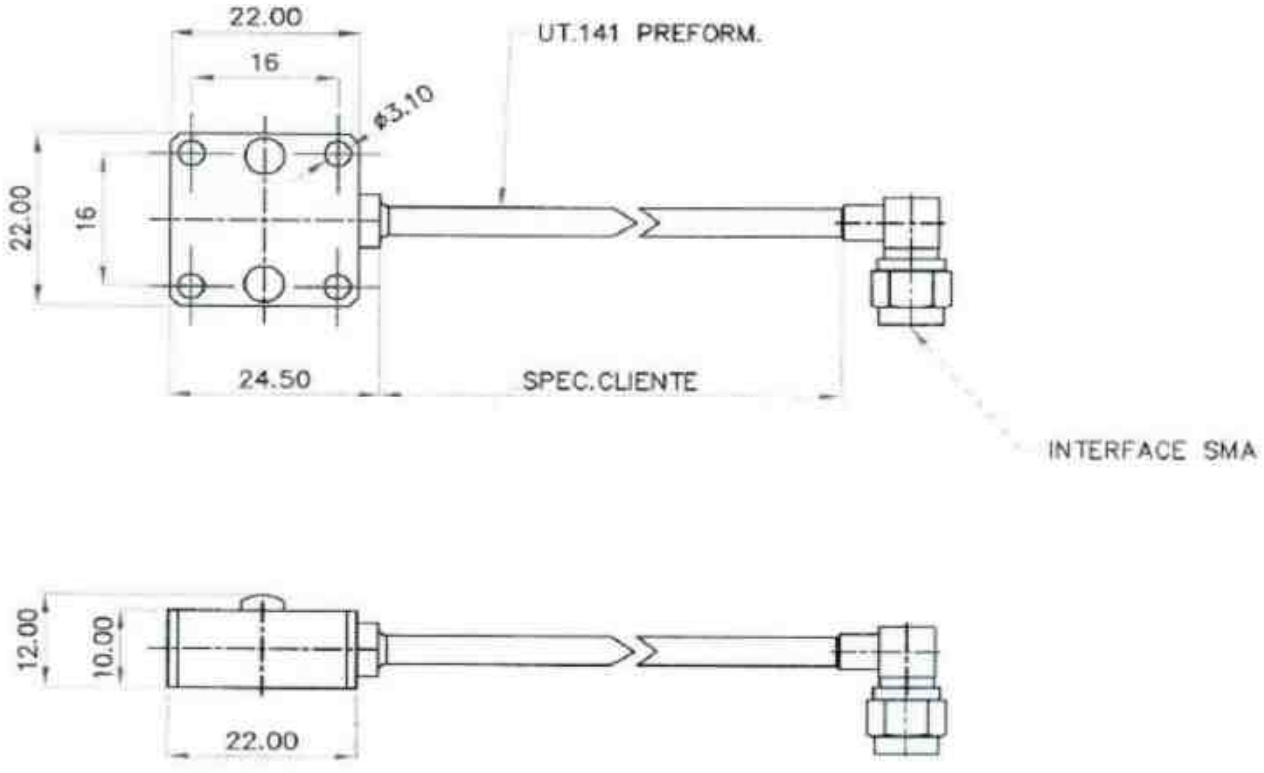
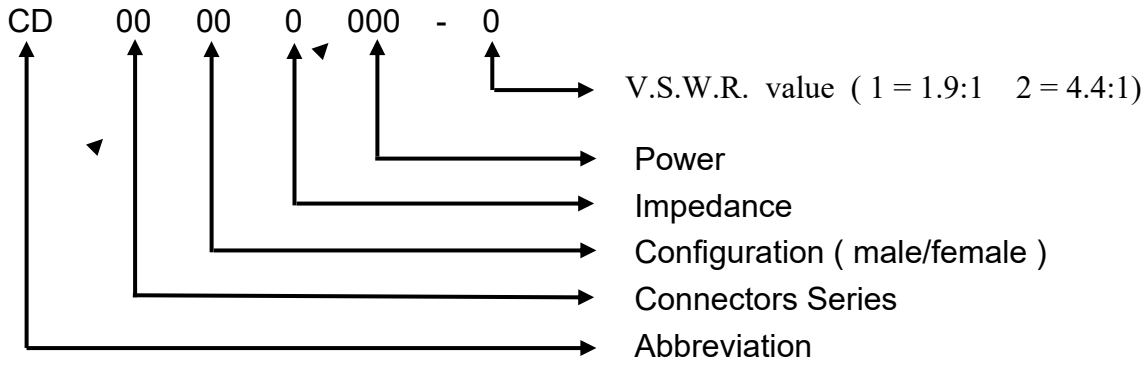


Fig.30 **P/N C33245150141Flex**

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

MISMATCHED TERMINATIONS
(V.S.W.R. PREDEFINED)

N MALE CONNECTOR

P.N. GENEX RF	*Frequency*	*Power*	*OHM*	*V.S.W.R.*	*Fig.*
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

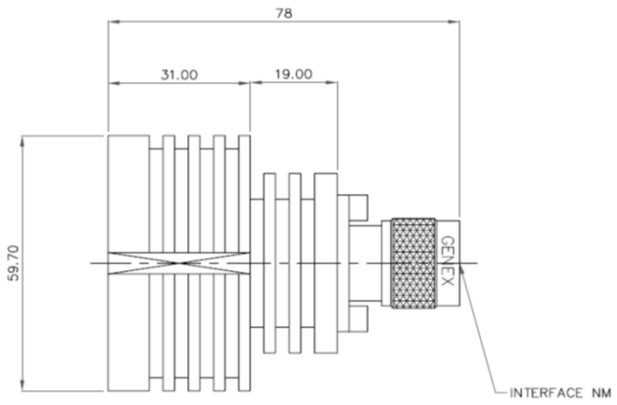
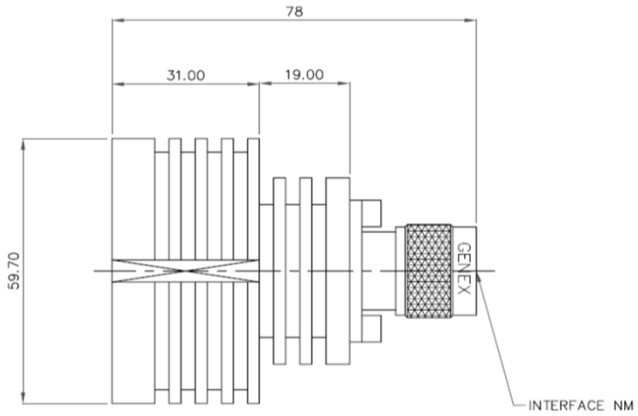


Fig.1 **P/N CD3020525-1**



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 TICKNESS	STANDARD LENGHT	MATERIALS AVAILABLE						
IEC	EIA								COPPER	BRASS 70/30	BRASS 90/10	ALUMINIUM	ALUMIN ALLOY	INVAR	SILVER
R	WR	GHz	MM	TOL. +/-	MM	TOL. +/-	MM	MM							
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

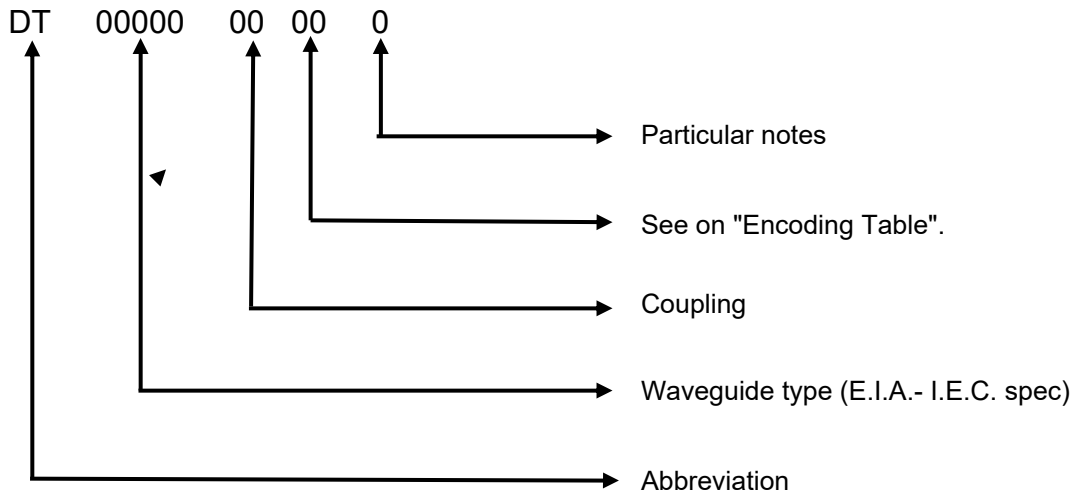
For individualize Flanges add suffix on this table

FREQUENCY BAND OF ELLIPTICAL WAVEGUIDE

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

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

P.N. GENEX RF	*Frequency*	*Connector*	*Notes*	*Fig.*
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

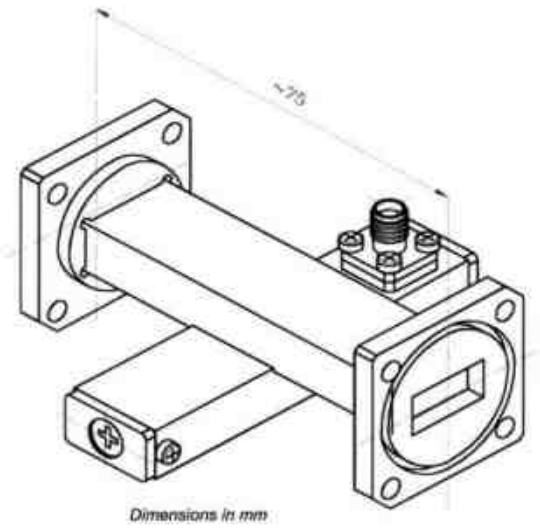
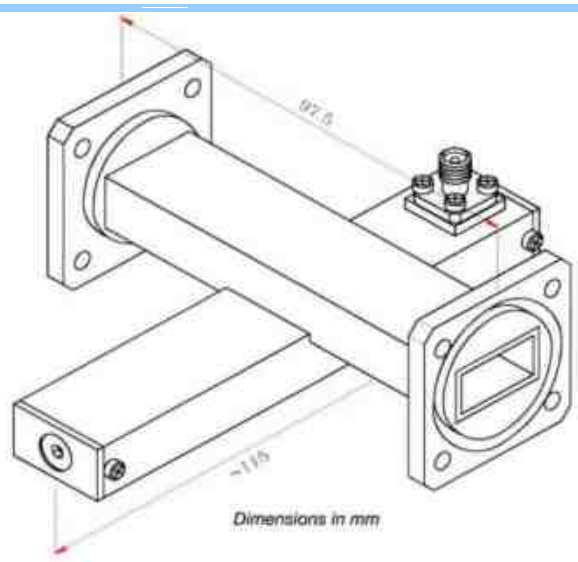


Fig.1 P/N DTWR6250001X



P/N DTWR755001X Fig.2

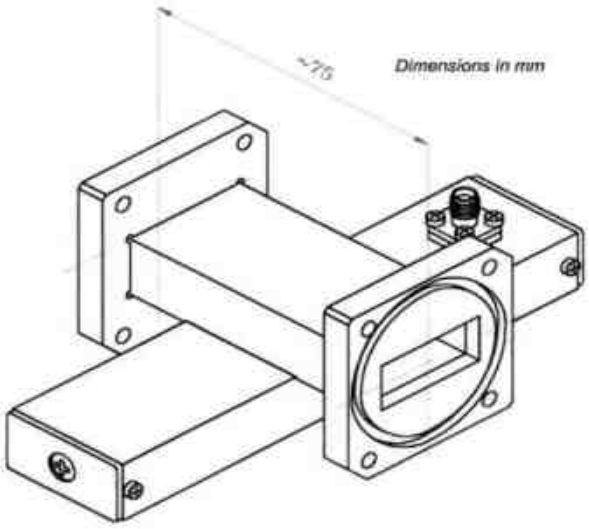
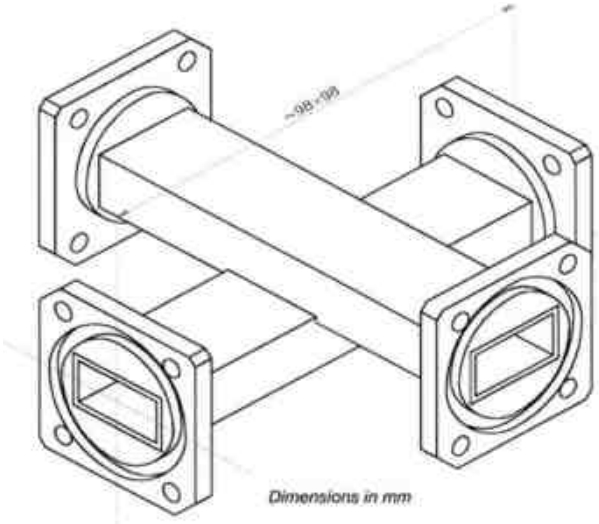


Fig.3 P/N DTWR1122001X



P/N DTWR755000X Fig.4

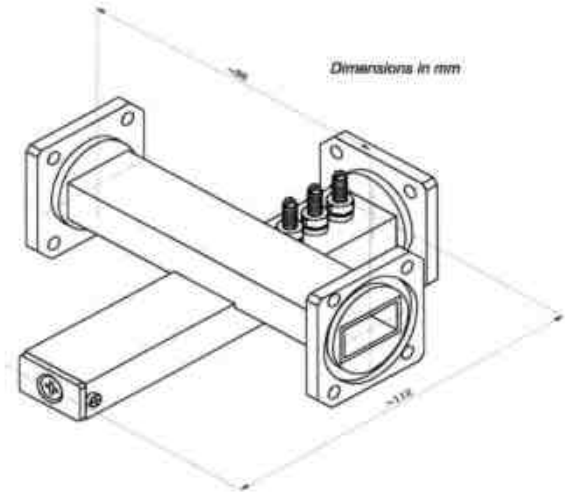


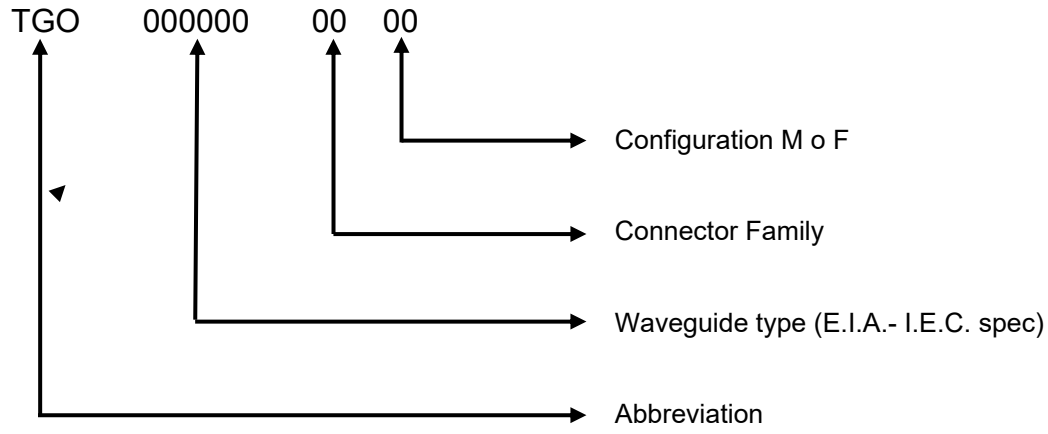
Fig.5 P/N DTWR751503X

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

WAVEGUIDE/CABLE ADAPTERS

P.N. GENEX RF	Description	Notes	Fig.
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	
TGOCPR703010	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 ground cont.	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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

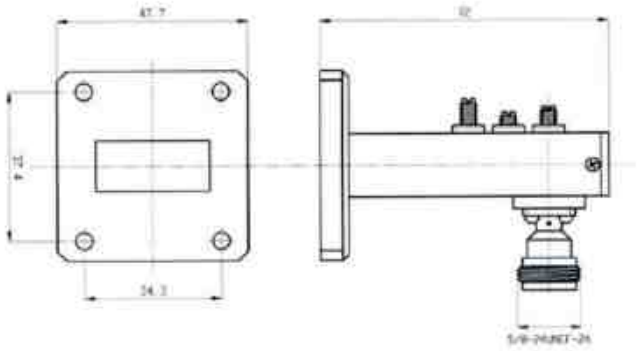
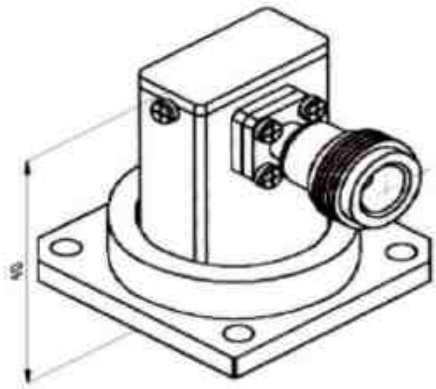


Fig.1 P/N TGOUBR843010



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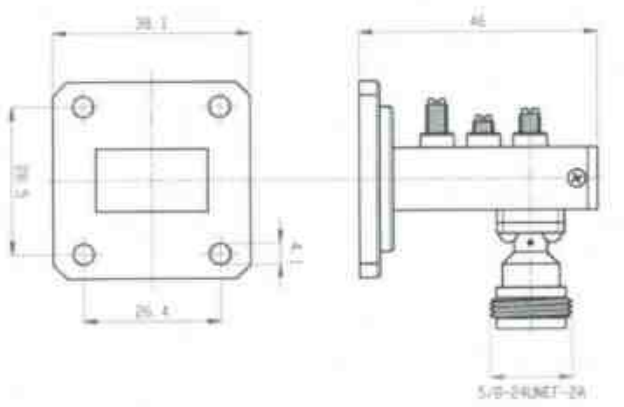

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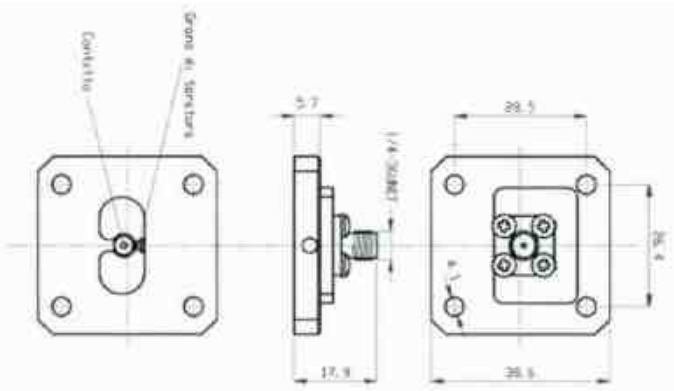


P/N TGOUBR1203310LV Fig.4

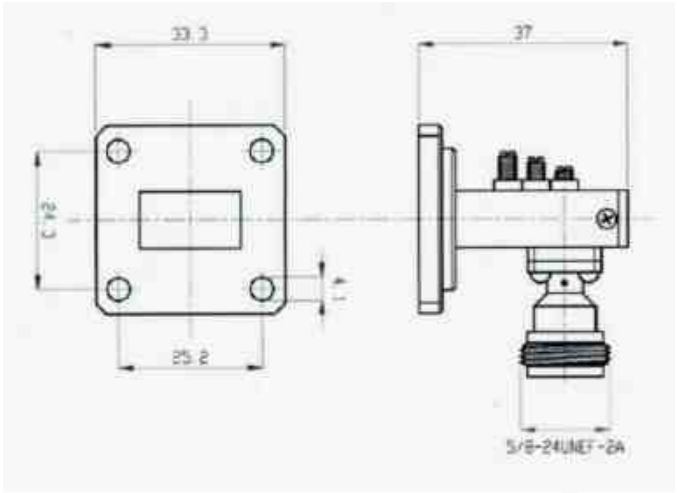
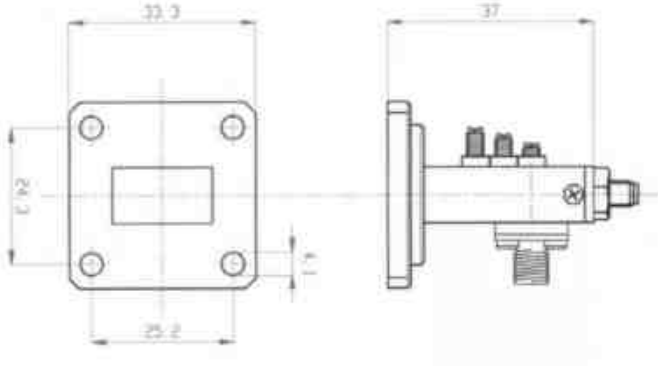


Fig.5 P/N TGOUBR1403010



P/N TGOUBR1403310 Fig.6

WAVEGUIDE/CABLE ADAPTERS DRAWINGS

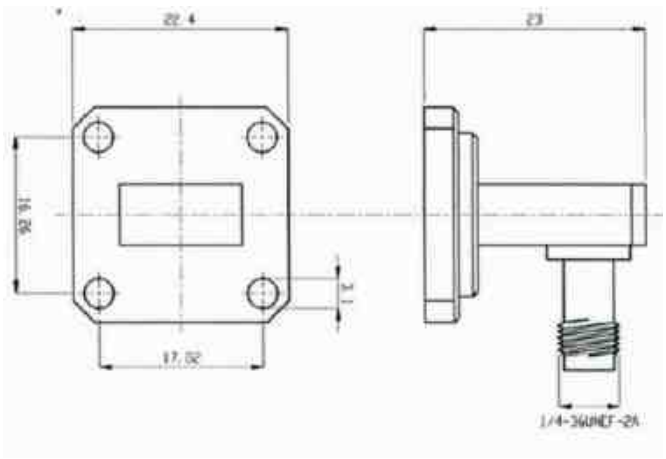
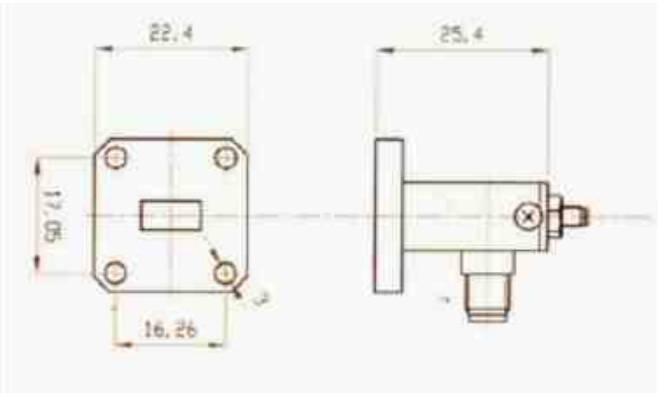


Fig.7 P/N TGOUBR2209010



P/N TGOUBR2609010 Fig.8

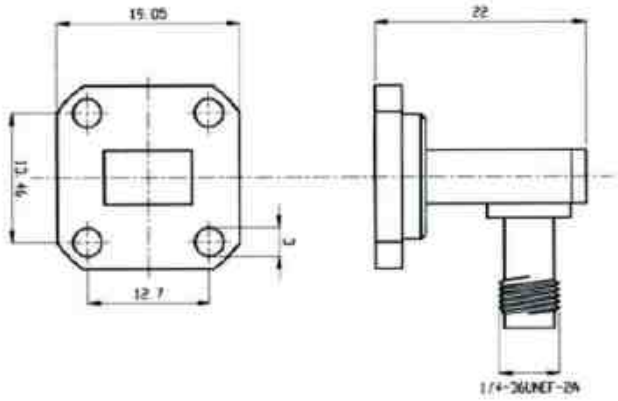
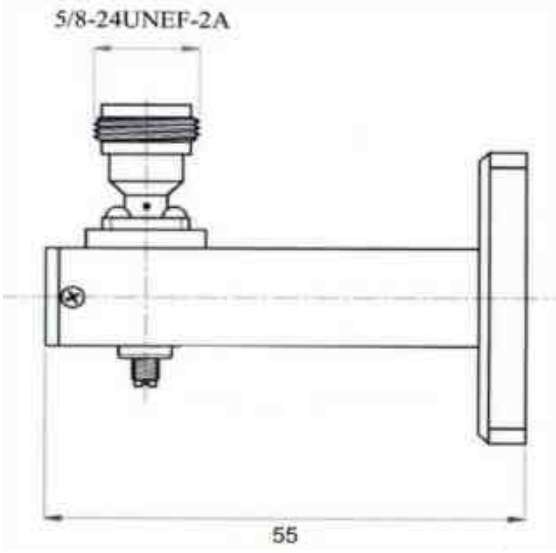


Fig.9 P/N TGOUBR3209010



P/N TGOUDR483010 Fig.10

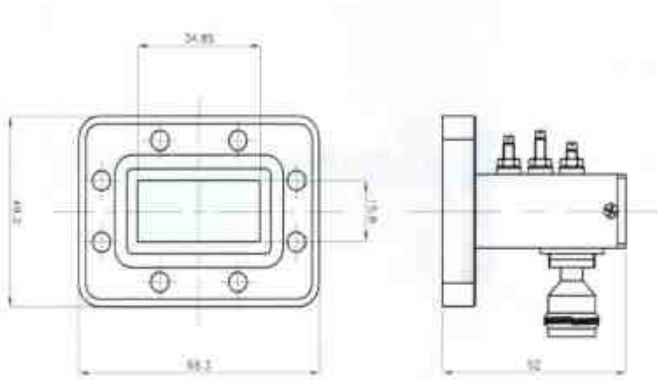
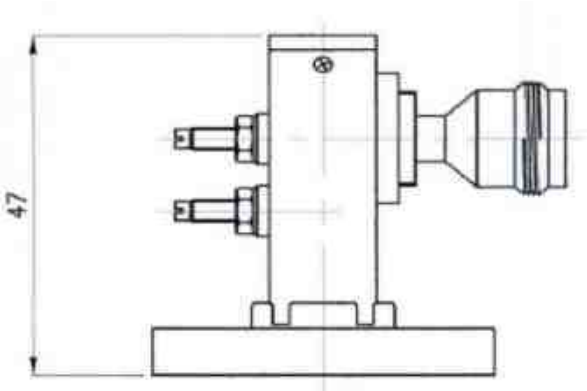


Fig.11 P/N TGOCPR703010



P/N TGOUDR1003010 Fig.12

WAVEGUIDE/CABLE ADAPTERS DRAWINGS

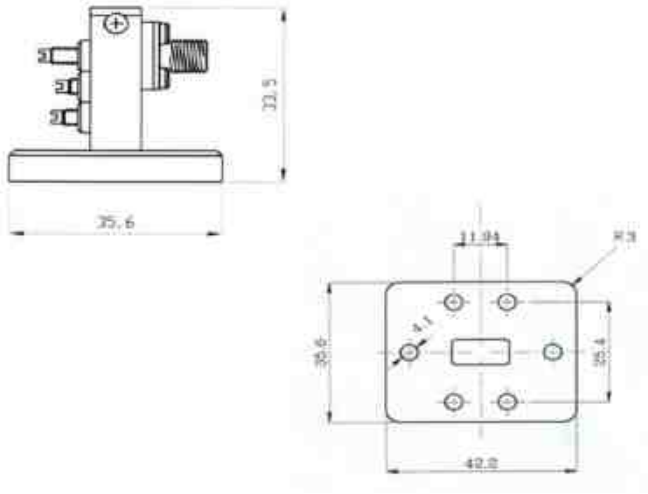
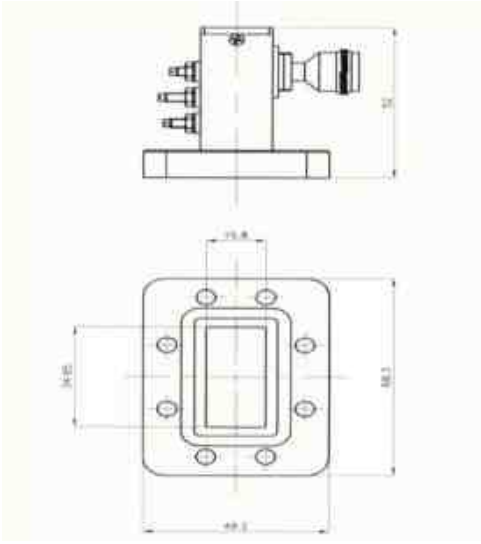


Fig.13 P/N TGOUDR1803310



P/N TGOPDR703010 Fig.14

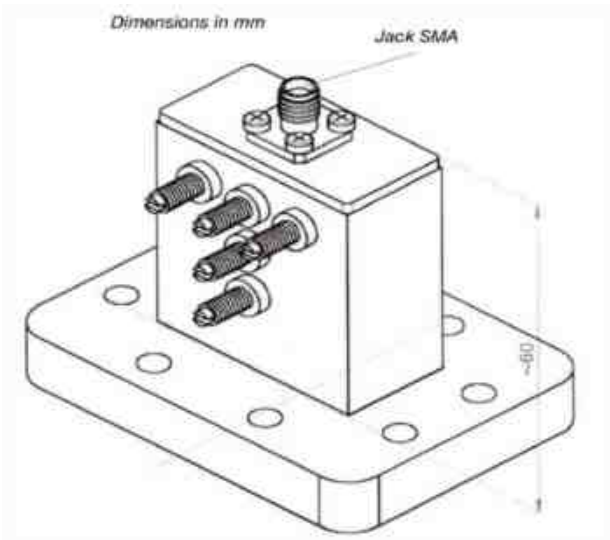
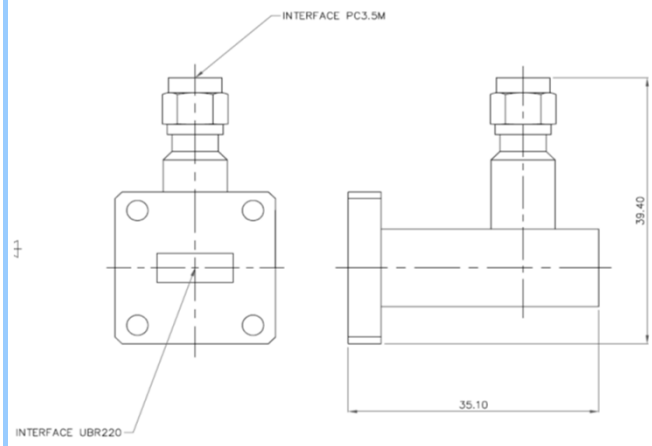


Fig.15 P/N



P/N TGOUBR2209520LV Fig.16

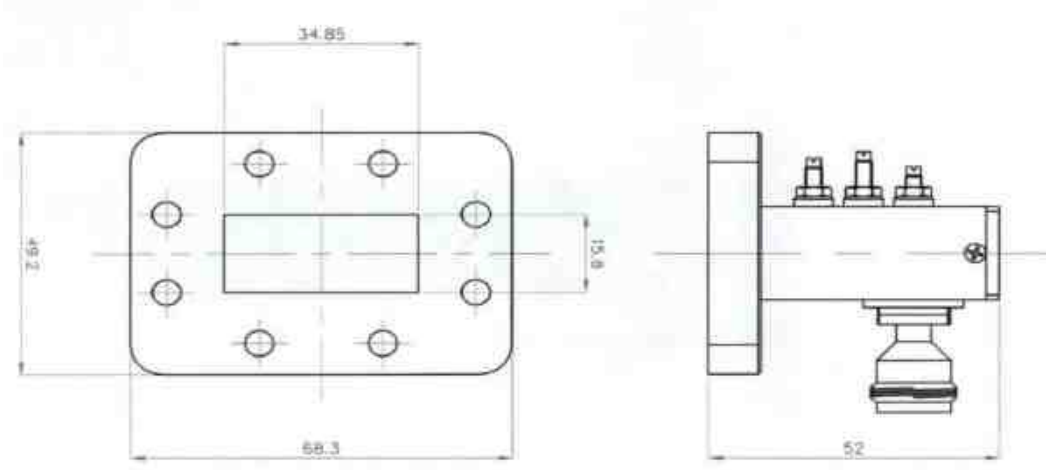


Fig.17 P/N TGOUDR703010

WAVEGUIDE/CABLE ADAPTERS DRAWINGS

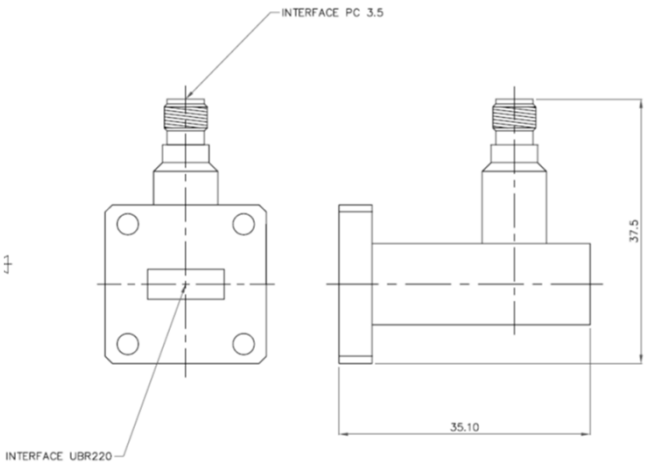
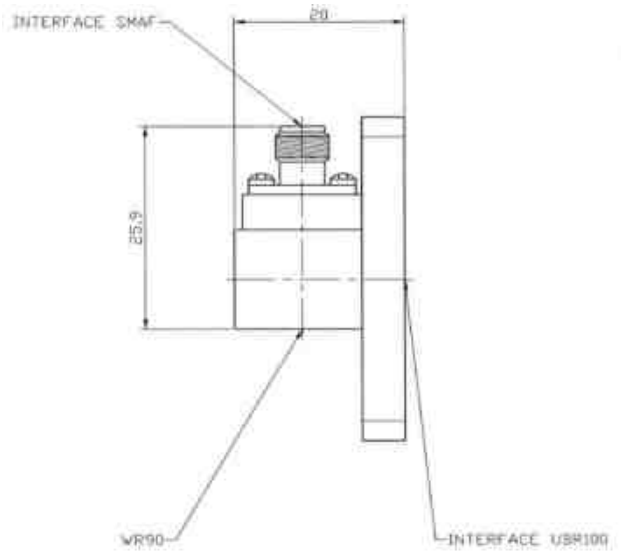


Fig.18 P/N TGOUBR2209510LV



P/N TGOUBR1003310 Fig.19

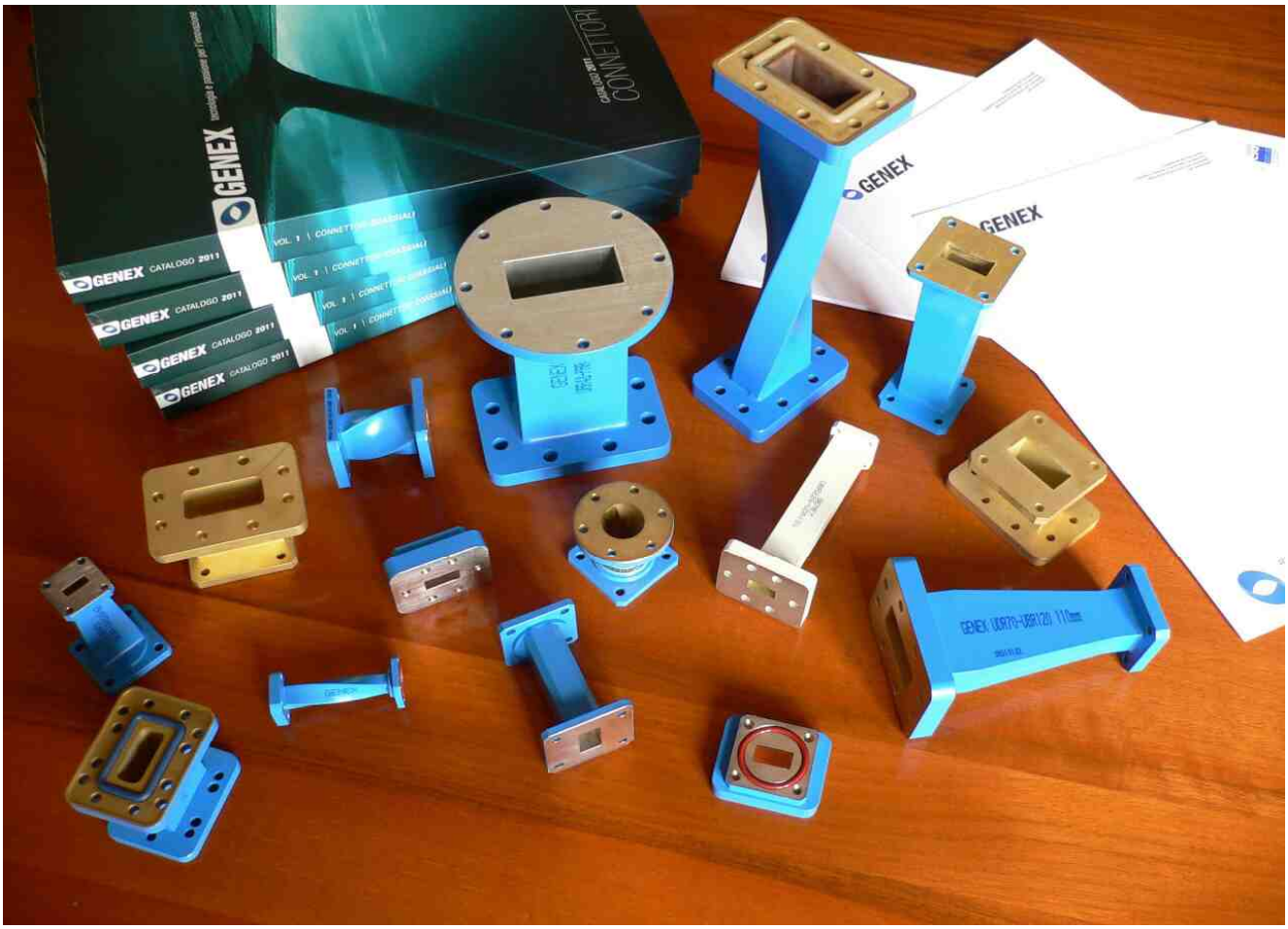
Fig.20 P/N

P/N Fig.21

Fig.22 P/N

P/N Fig.23

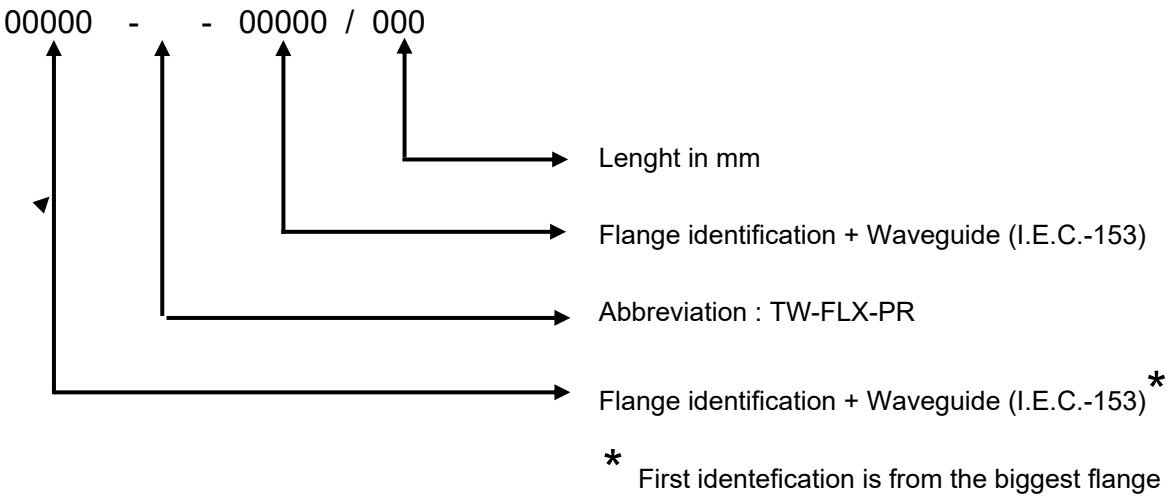
WAVEGUIDE ADAPTERS AND JUNCTIONS



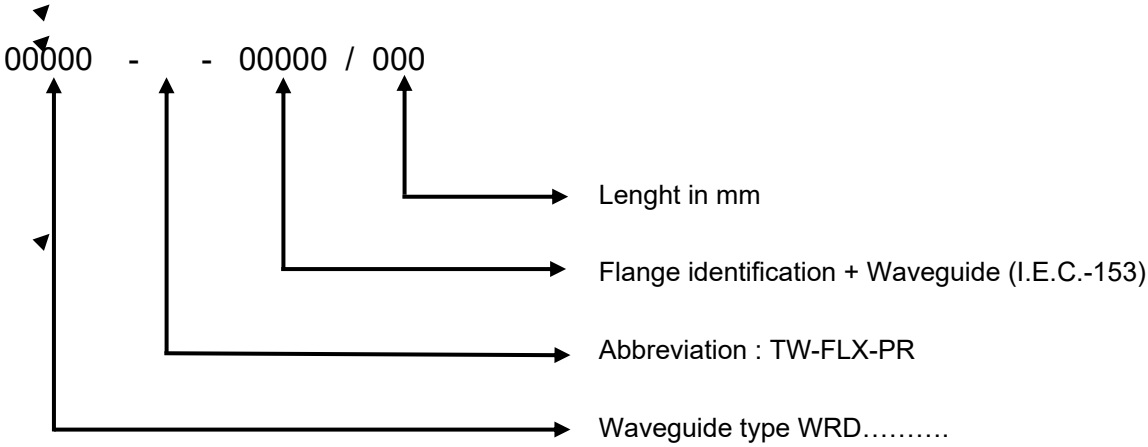
Components described following up represent our standard production. On request is possible produce Waveguide Adapters And Junctions with different data sheet.

GENEX RF WAVEGUIDE ADAPTERS AND JUNCTION PART NUMBER

GUIDE TO GUIDE ADAPTERS



DOUBLE RIDGE ADAPTERS



NOTE:
For TWIST,FLEX o PRESSURIZABLE, there is abbreviation between two identifications as in table.

ABBREVIATION			
TW	Adpters TWIST	PR	Pressurized adapters
FLX	Adapters FLEX		

ADAPTERS GUIDE TO GUIDE

From WR 42 to….

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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….

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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….

P.N. GENEX RF	Description	Notes	Fig.
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….

P.N. GENEX RF	Description	Notes	Fig.
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….

P.N. GENEX RF	Description	Notes	Fig.
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….

P.N. GENEX RF	Description	Notes	Fig.
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….

P.N. GENEX RF	Description	Notes	Fig.
UER58-UDR70	from WR159 WR137 rectangular flange to flange not pressurized rectangular flat pressurizable		

DOUBLE-RIDGE ADAPTERS

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
UAR320-UBR320	round flange with flat flat square flange		

FLANGE ADAPTER WR51

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
UDR180-UBR180	from rectangular flange pressurized plane square flange plane		

FLANGE ADAPTER WR62

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
PDR100-UBR100	be pressurized with a rectangular flange gasket flange square planar		

FLANGE ADAPTER WR112

P.N. GENEX RF	Description	Notes	Fig.
PDR84-UBR84	be pressurized with a rectangular flange gasket flange square planar		

FLANGE ADAPTER WR137

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
UAR70-UER70	round flange with flat rectangular flange is not pressurized		

FLANGE ADAPTER WR187

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
CAR48-PDR48	from round flange with gasket (choke) in pressurized rectangular flange with gasket		

QUICK FLANGES

SQUARE FLANGE WR75

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
RPBR120-UBR120	be pressurized with square flange gasket flange square planar		

WAVEGUIDE JUNCTIONS

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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)

P.N. GENEX RF	Description	Notes	Fig.
CBR320-TW-UBR320/55	Twist Section WR28 waveguide: from square flange gasket (choke square flange plane	L= 55 mm	
PBR320-TW-UBR320/54	Taken in guidaTwist 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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

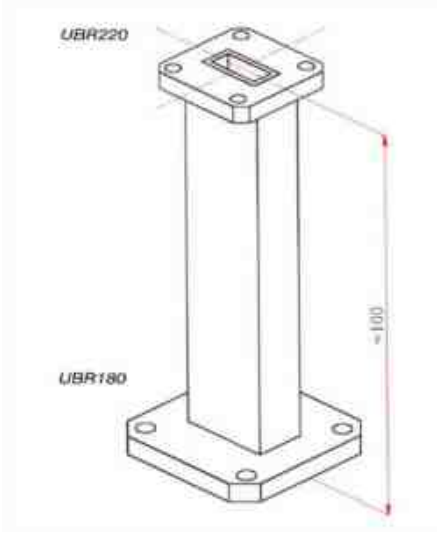
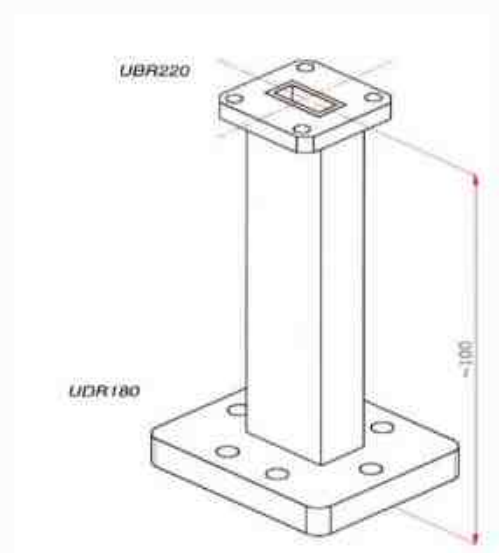
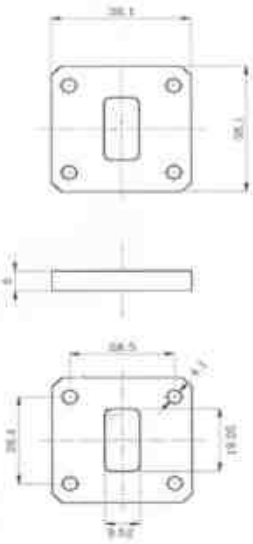


Fig.1 P/N UBR220-UBR180



P/N UBR220-UDR180 Fig.2

Fig.3 P/N



P/N UBR120-UBR120/6 Fig.4

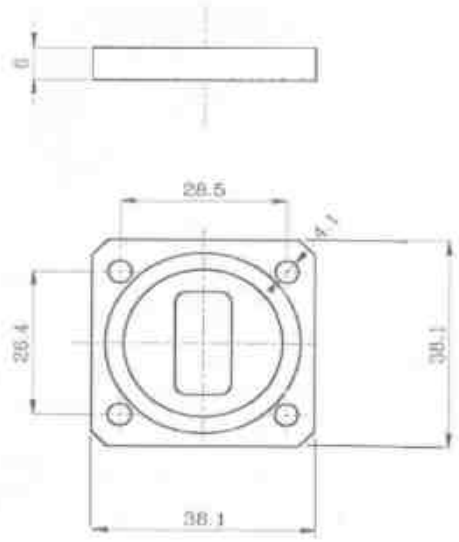
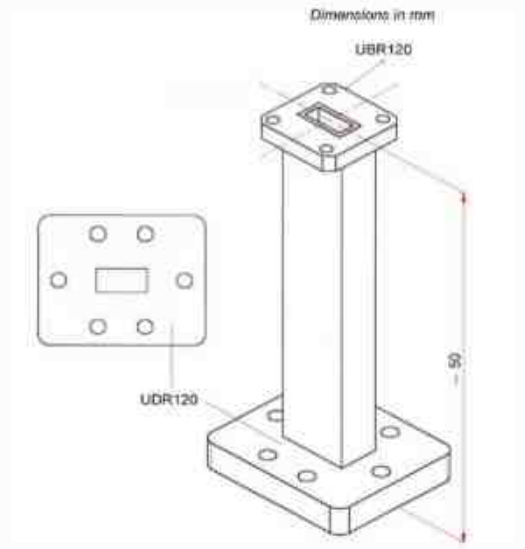


Fig.5 P/N PBR120-PBR120/6



P/N UBR120-UDR120/50 Fig.6

WAVEGUIDE ADAPTERS AND JUNCTIONS DRAWINGS

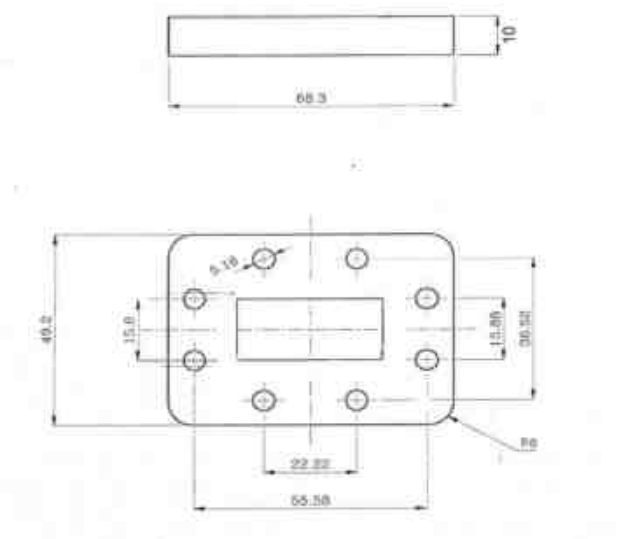
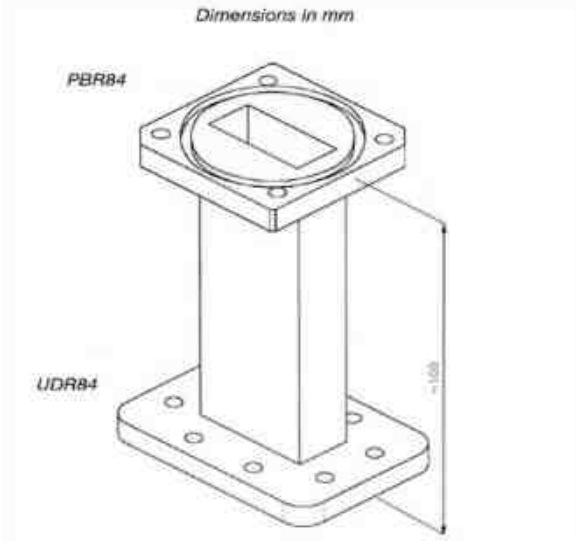


Fig.7 P/N UDR70-UDR70/10



P/N UDR84-PBR84/100 Fig.8

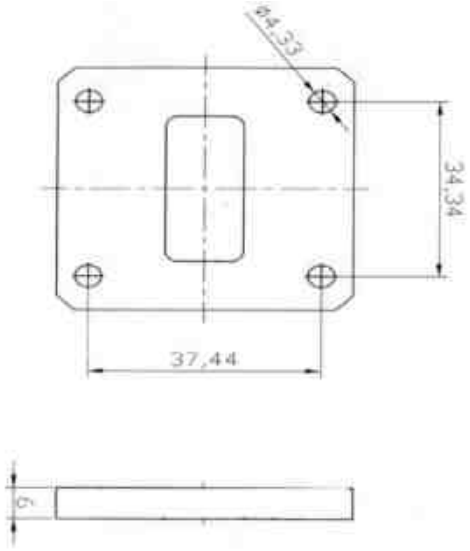
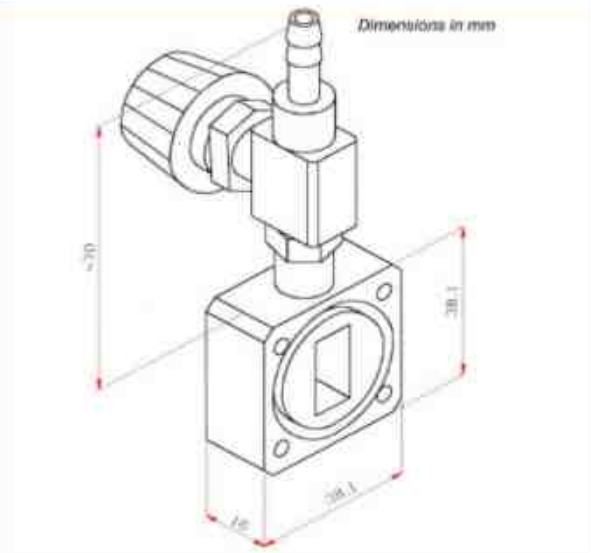


Fig.9 P/N UBR84-UBR84/6



P/N PBR120-PR-UBR120/62 Fig.10

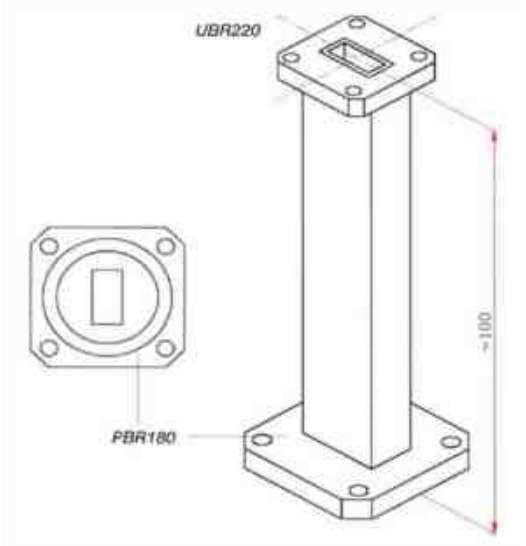
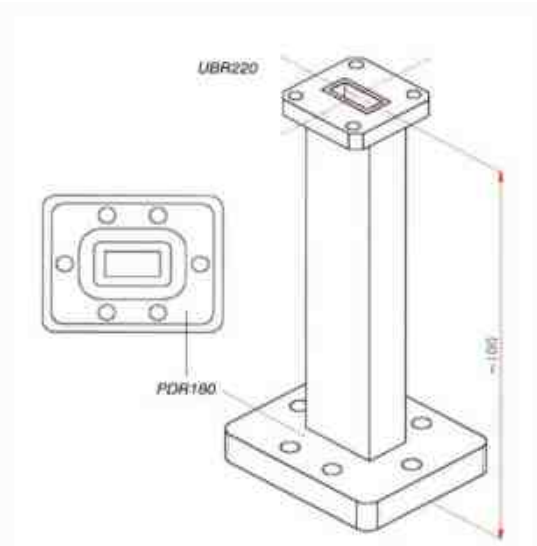


Fig.11 P/N UBR220-PBR180



P/N UBR220-PDR180 Fig.12

WAVEGUIDE ADAPTERS AND JUNCTIONS DRAWINGS

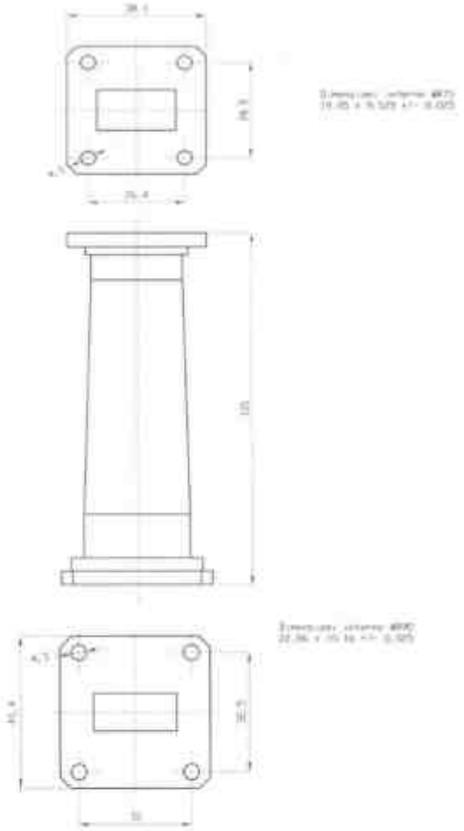
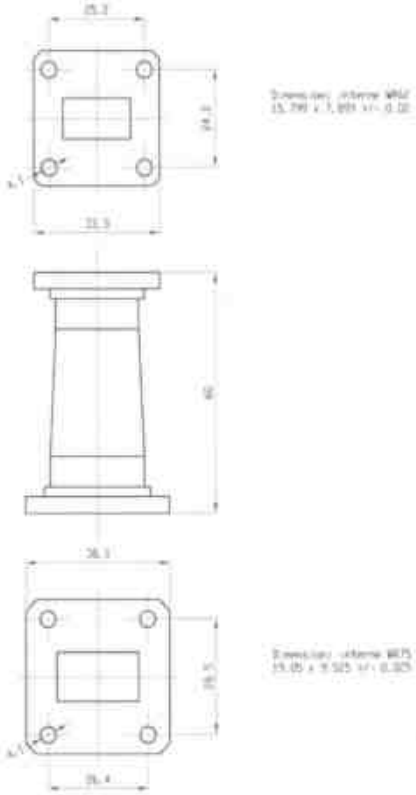


Fig.13 P/N UBR100-UBR120



P/N UBR120-UBR140 Fig.14

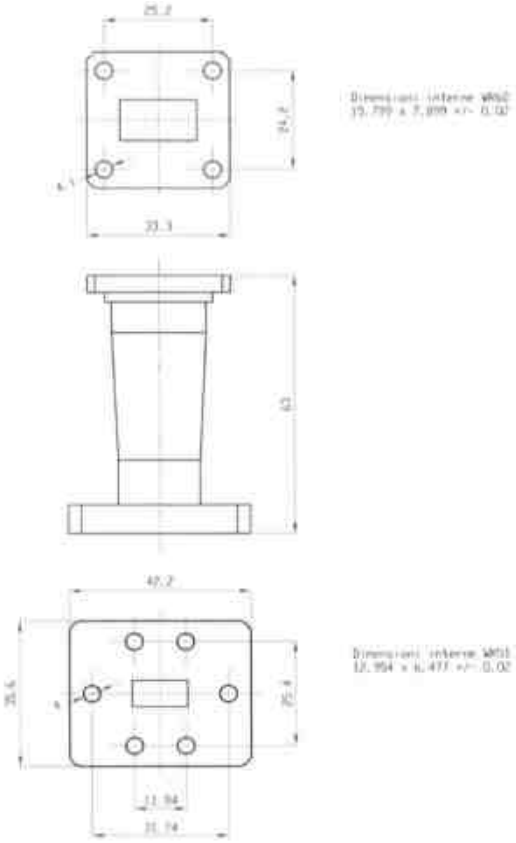
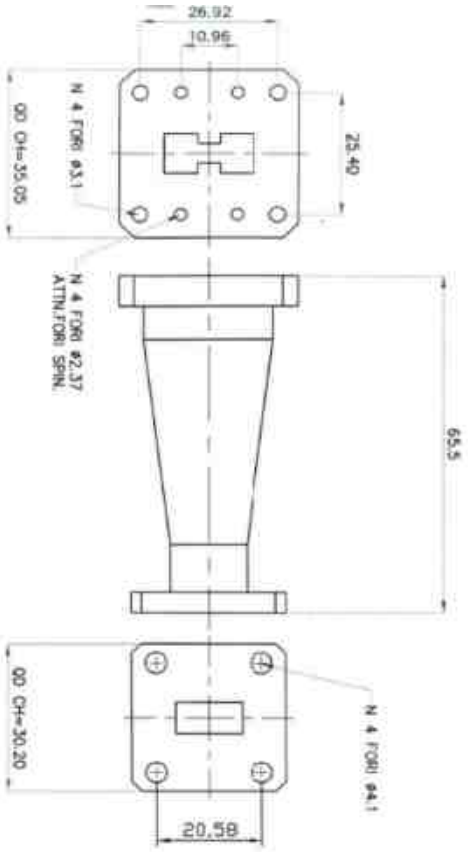


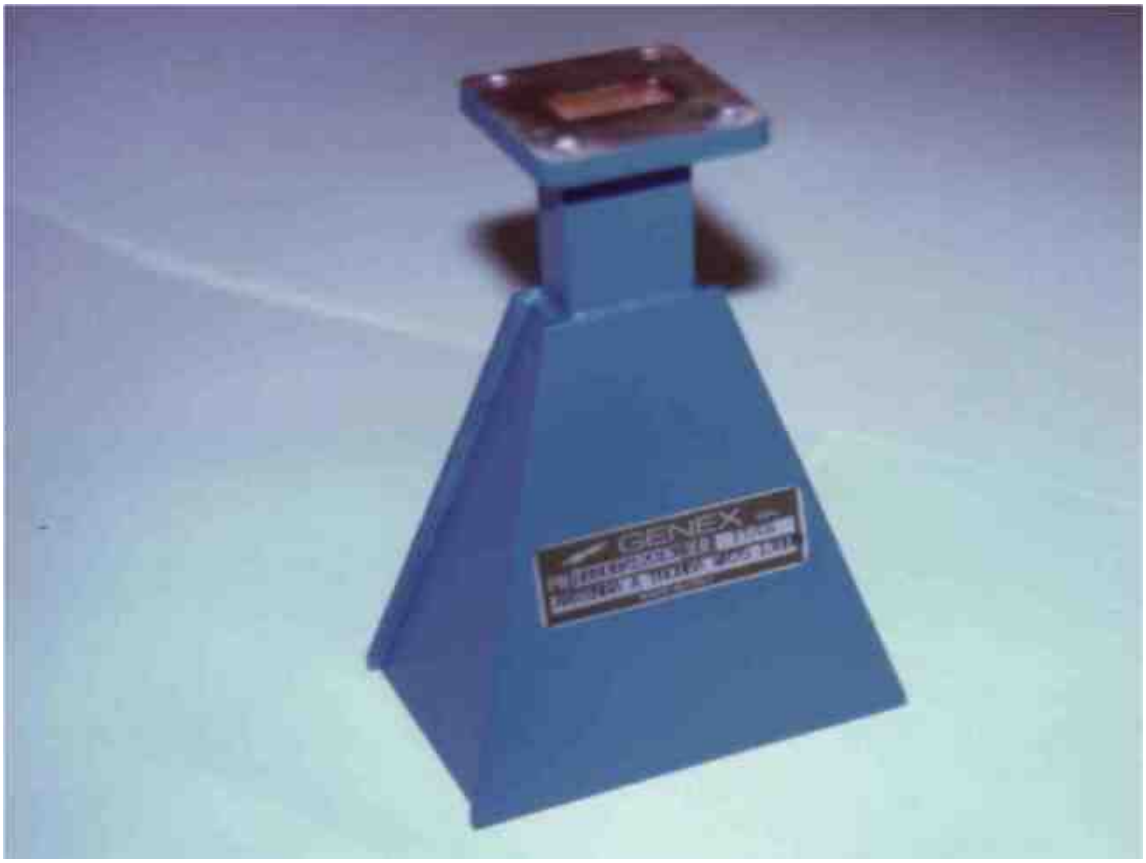
Fig.15 P/N UBR140-UDR180



P/N Fig.16

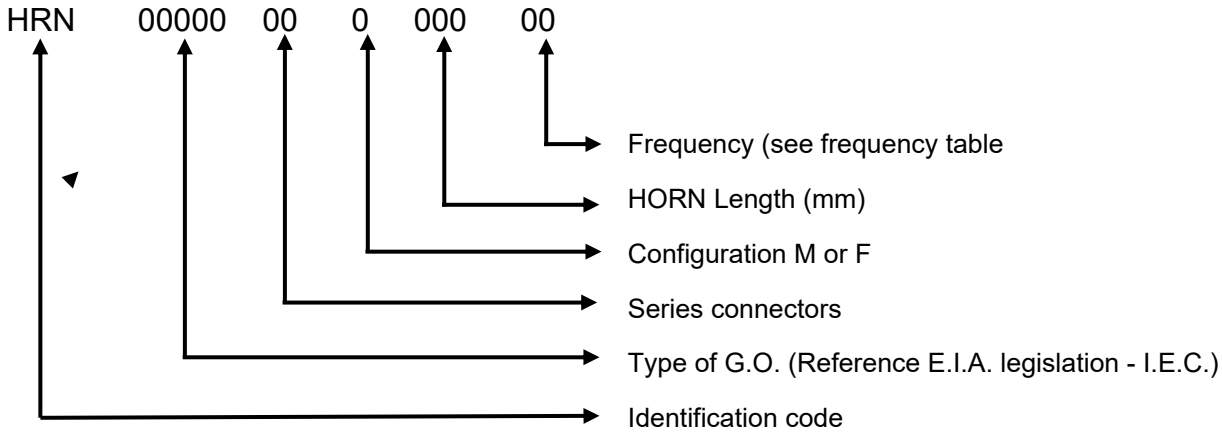
Genex RF offer specific solution about RF signals transmission with waveguides for antennas branching.

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

P.N. GENEX RF	Description	Notes	Fig.
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

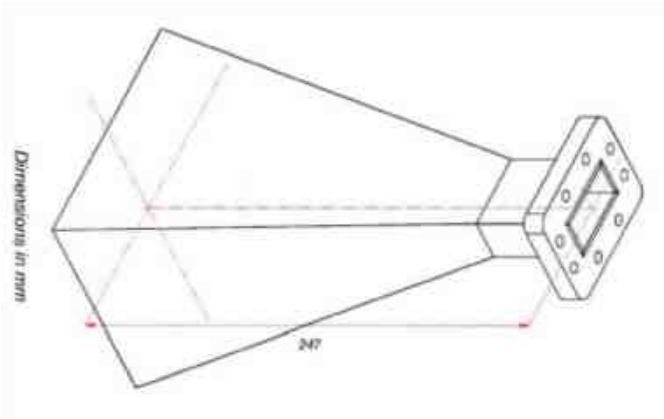
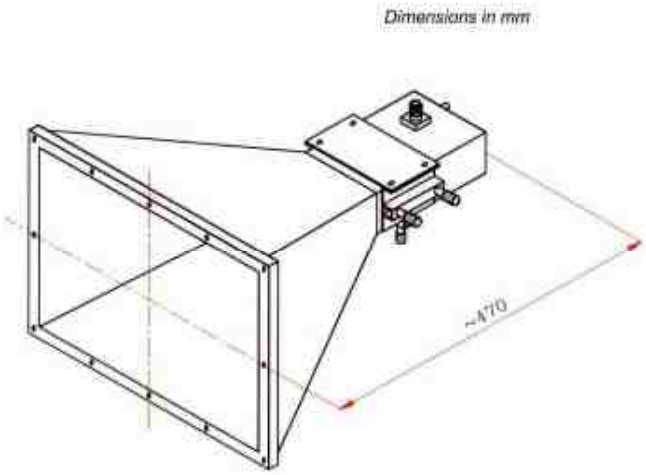


Fig.1 P/N HRNUDR70247



P/N HRNWR430301470 Fig.2

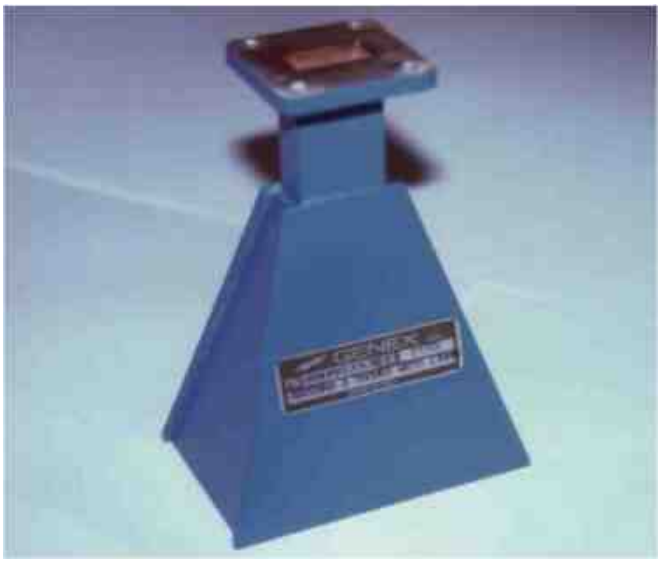


Fig.3 P/N HRNUBR120138

P/N HRNUBR120140 Fig.4

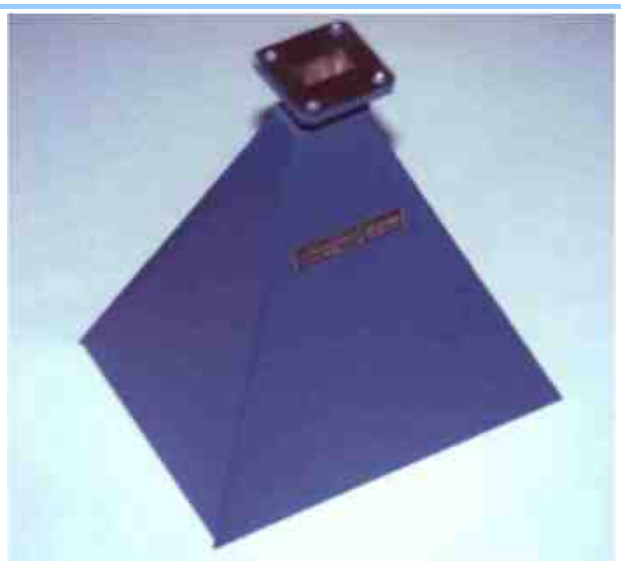


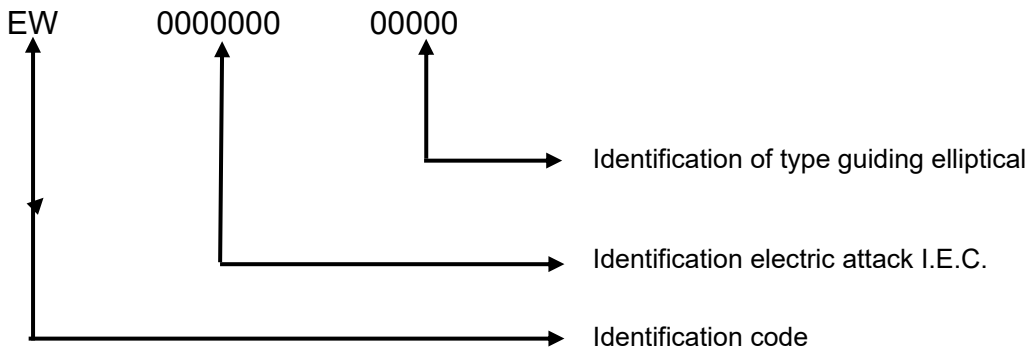
Fig.5 P/N HRNUBR120330

P/N HRNUBR140203 Fig.6

ELLIPTIC WAVEGUIDE CONNECTORS

Components described following up represent our standard production. On request is possible produce Ellipical 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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
EWPBR320E380	Connector for PBR320 w.g. Elliptical E380 RFS	Freq. 37 - 40 GHz	1

ELLIPTIC WAVEGUIDE WR42 CONNECTORS

SQUARE PRESSURIZABLE

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
EWPDR84EW77	Connector for PDR84 w.g. EW77 elliptical	Freq. 7,12 - 8,5 GHz	

FLAT SQUARE

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
EWUBR84EW77	Connector for UBR84 w.g. Andrew EW77 elliptical	Freq. 7,12 - 8,5 GHz	6

SQUARE PRESSURIZABLE

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
EWPBR84EW77	Connector for PBR120 w.g. E130 elliptical	Freq. 10,7 - 13,25 GHz	7

ELLIPTIC WAVEGUIDE CONNECTORS DRAWINGS

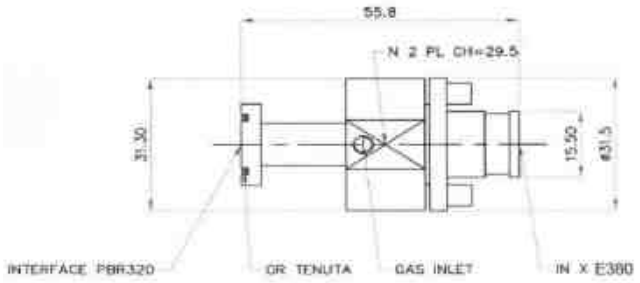
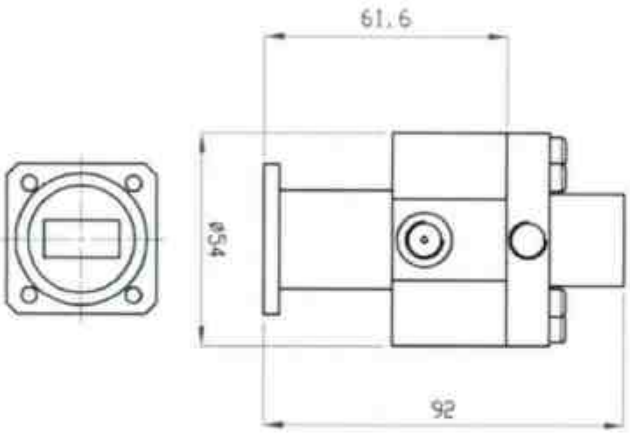


Fig1 P/N EWPBR320E380



P/N EWPBR120E130 Fig.2

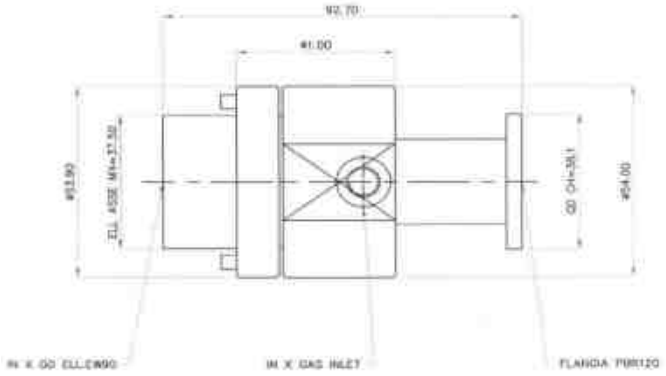
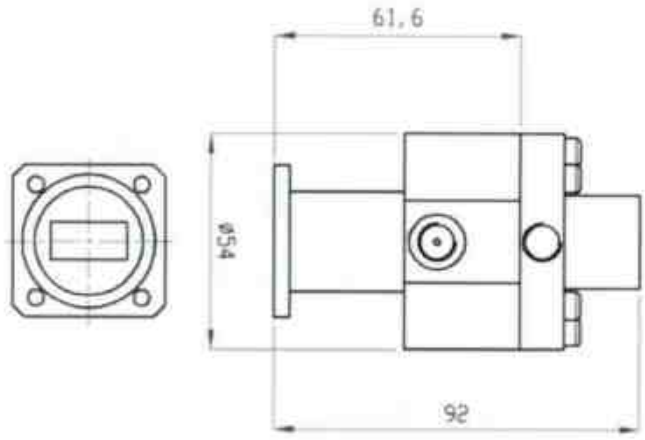


Fig.3 P/N EWPBR120EW90



P/N EWPBR120EW127 Fig.4

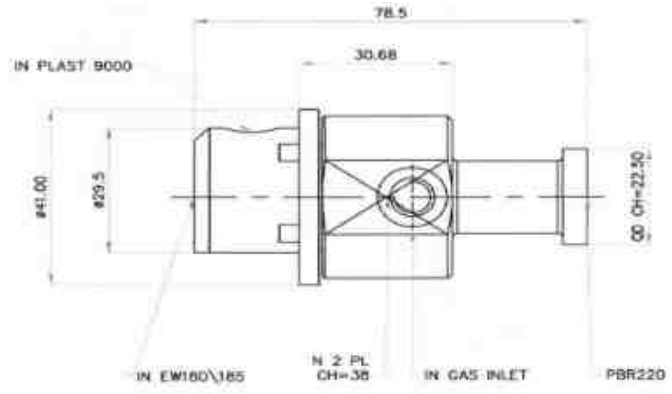
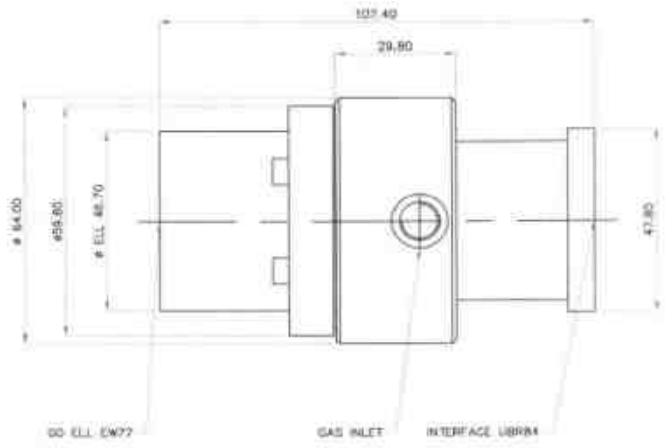


Fig.5 P/N EWPBR220EW180



P/N EWUBR84EW77 Fig.6

ELLIPTIC WAVEGUIDE CONNECTORS DRAWINGS

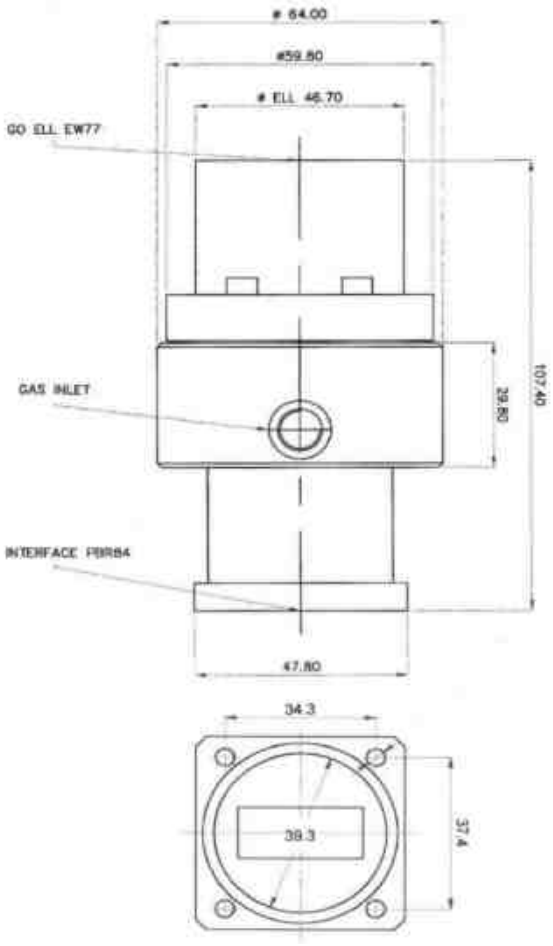


Fig.7 **P/N EWPBR84EW77**

P/N **Fig.8**

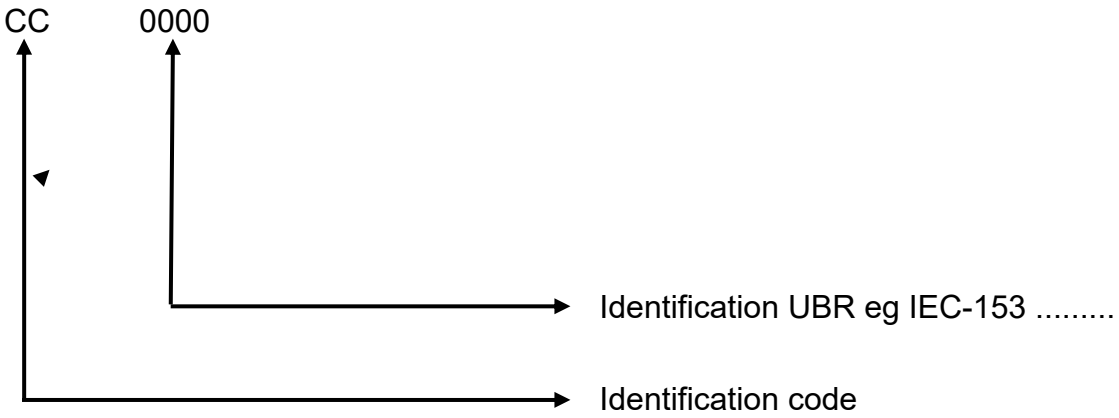
Fig.9 **P/N**

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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
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		

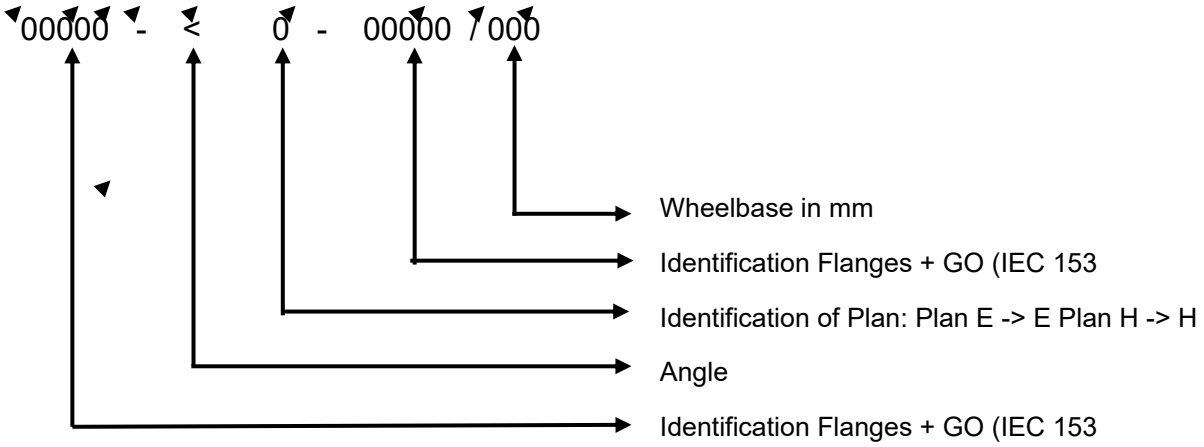
WR159

P.N. GENEX RF	Description	Notes	Fig.
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 = Sluped WR75 H-plane distance 35 mm square flange-pressurized plane

SLUMPED WAVEGUIDES ON PLANE "E"

P.N. GENEX RF	Description	Notes	Fig.
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"

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

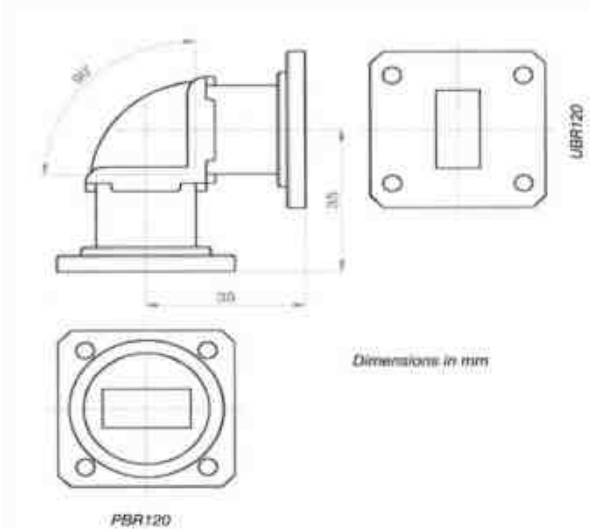
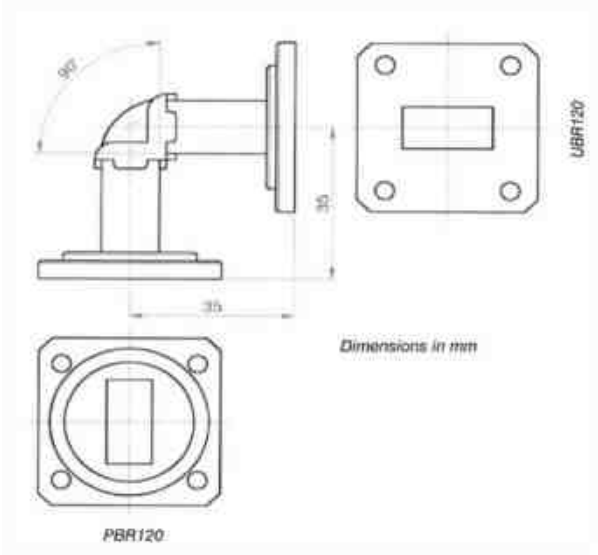


Fig.1 P/N UBR120-H90-PBR120



P/N UBR120-E90-PBR120 Fig.2

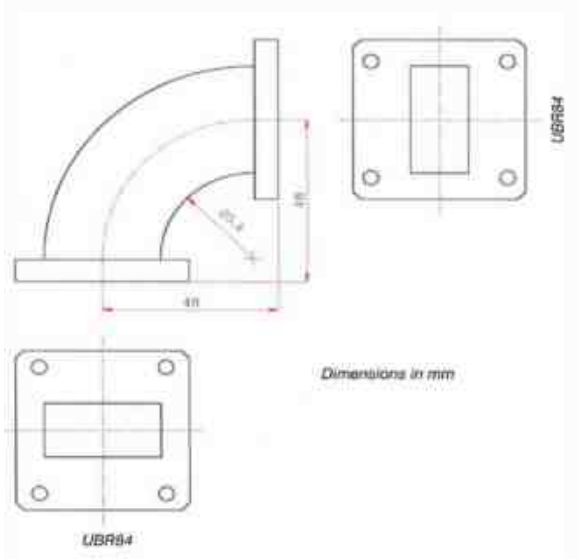
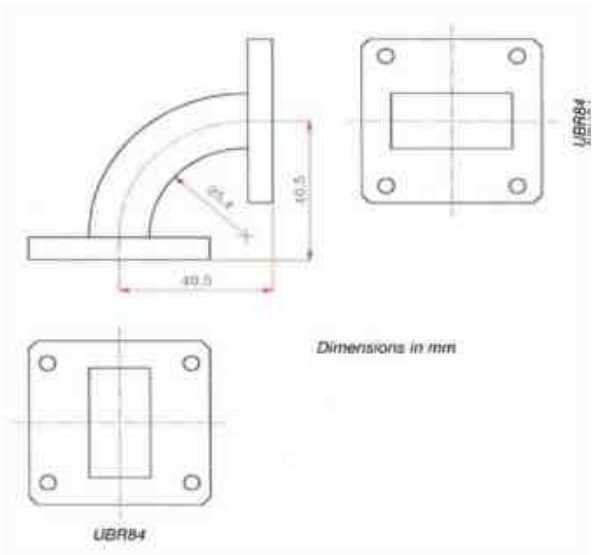


Fig.3 P/N UBR84-H90-UBR84



P/N UBR84-E90-UBR84 Fig.4

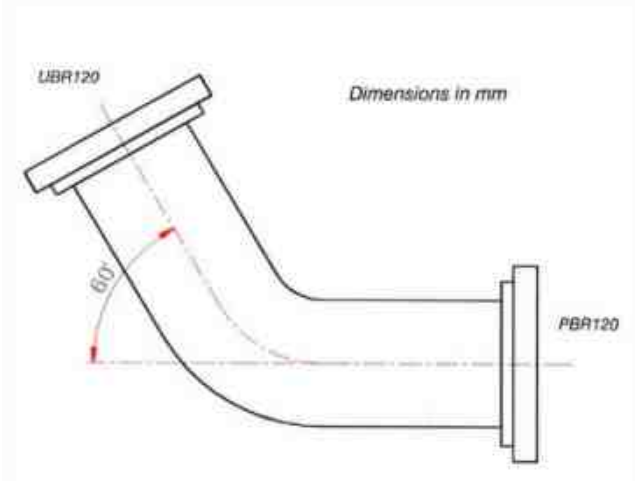
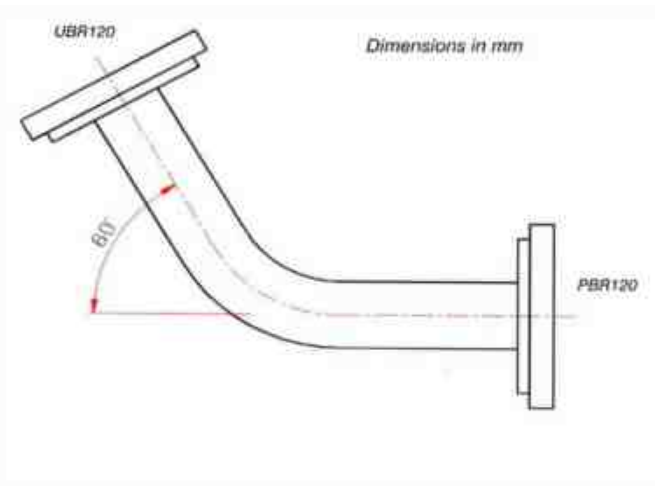


Fig.5 P/N UBR120-H60-PBR120



P/N UBR120-E60-PBR120 Fig.6

SLUMPED WAVEGUIDES ON PLANE "E"/"H" DRAWINGS

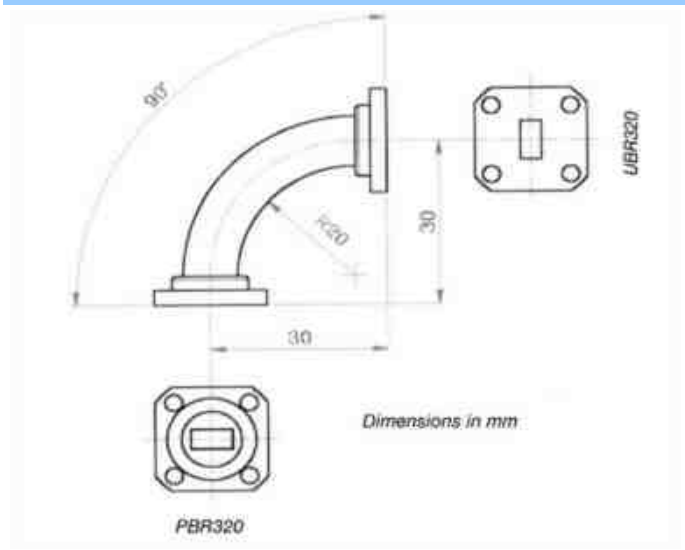
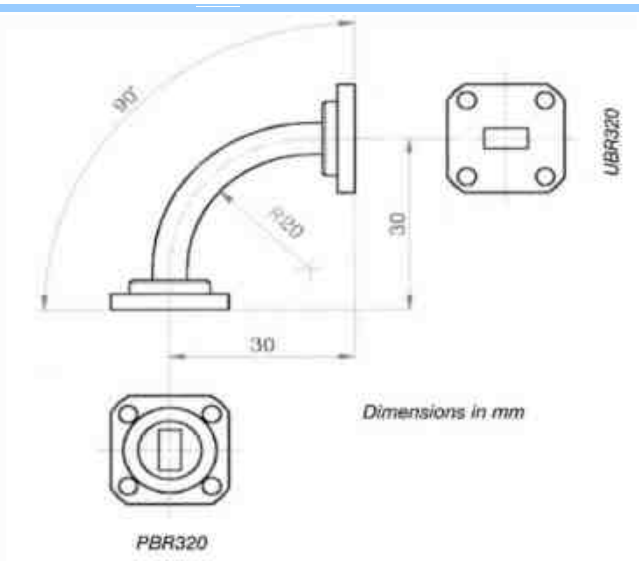


Fig.7 P/N UBR320-H90-PBR320



P/N UBR320-E90-PBR320 Fig.8

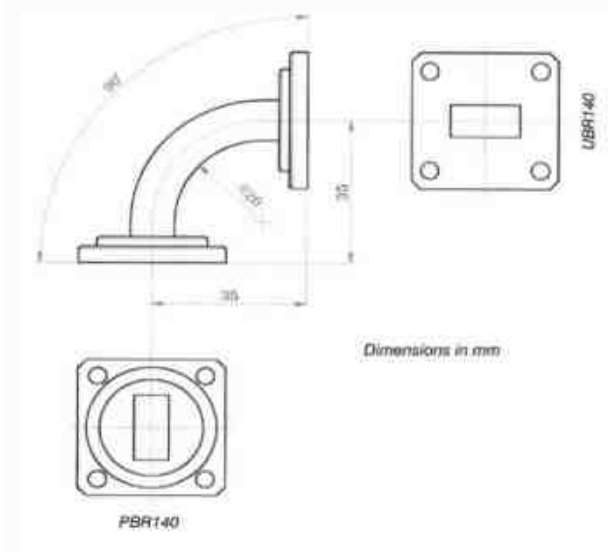


Fig.9 P/N UBR140-E90-PBR140

P/N Fig.10

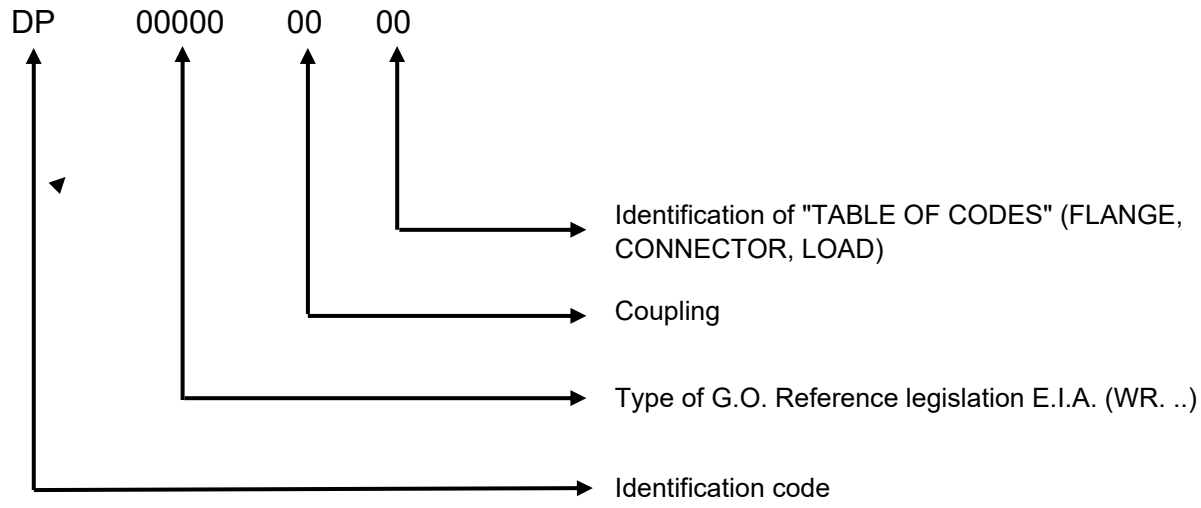
Fig.11 P/N

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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
DPWR750302	Divider WR75, 3 dB coupling, flanged UBR		1

WAVEGUIDE POWER SPLITTERS DRAWINGS

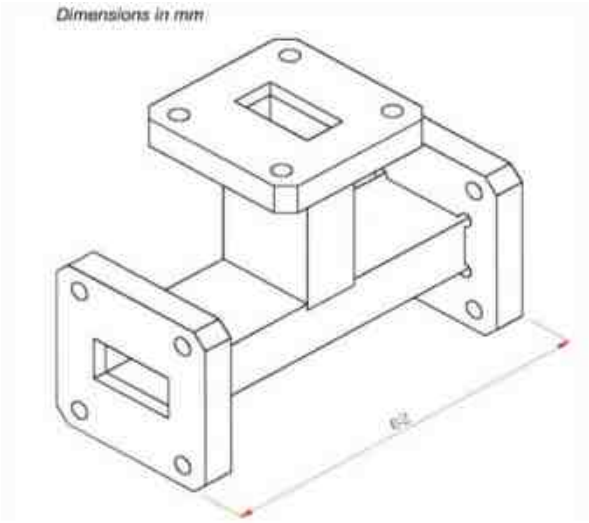


Fig.1 **P/N DPWR750302**

P/N **Fig.2**

Fig.3 **P/N**

P/N **Fig.4**

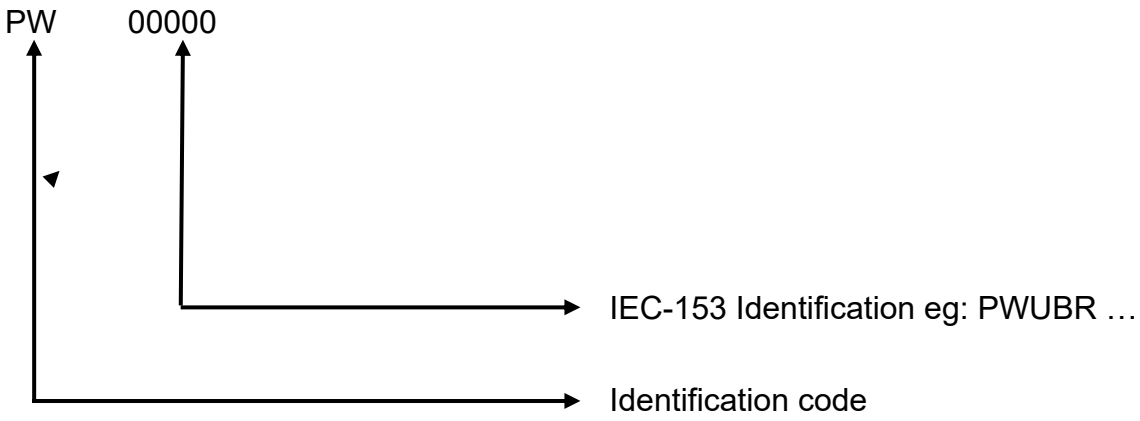
Fig.5 **P/N**

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

P.N. GENEX RF	G.O.	Frequency	Description	Notes	Fig.
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

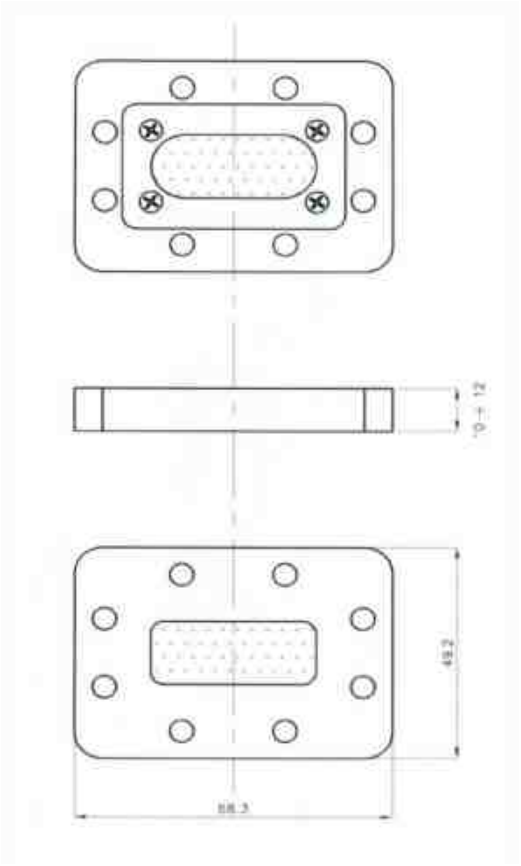


Fig.1 P/N PWUDR70

P/N

Fig.2

Fig.3 P/N

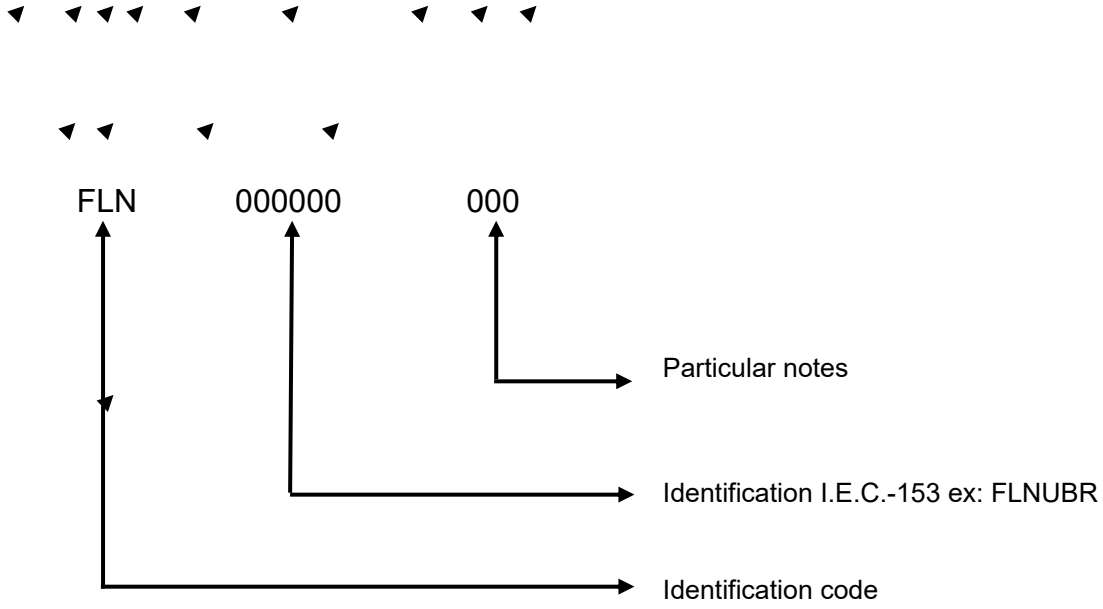
P/N

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

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
FLNPBR320	pressurized with square flange gasket		1
FLNUBR320	square flange plane		2

WR 42

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
FLNPBR220	pressurized with square flange gasket		3
FLNUBR220	square flange plane		4

WR 51

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
FLNUDR180	pressurizable flat rectangular flange		5
FLNUDR180FLX	FLEX pressurized flat rectangular flange		6

WR 62

P.N. GENEX RF	*Description*	*Notes*	*Fig.*
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

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
FLNPBR84	pressurized with square flange gasket		15
FLNUBR84	square flange plane		16

WR 137

P.N. GENEX RF	Description	Notes	Fig.
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

P.N. GENEX RF	Description	Notes	Fig.
FLNPDR48	pressurized rectangular flange with gasket		22
FLNUDR48	pressurizable flat rectangular flange		23

FLANGES FOR WAVEGUIDE DRAWINGS

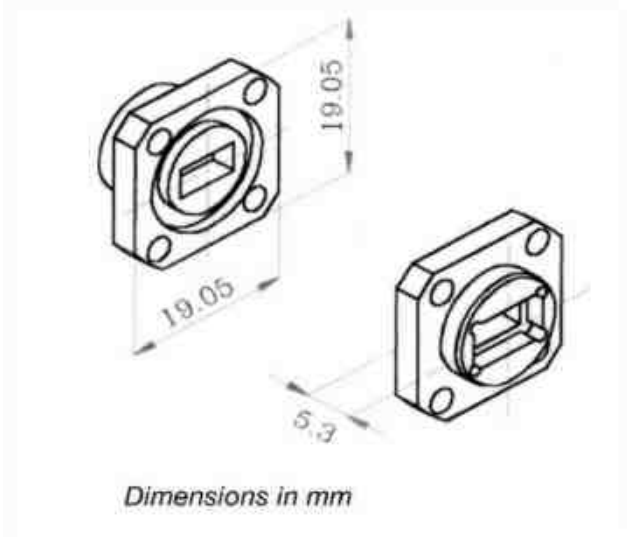
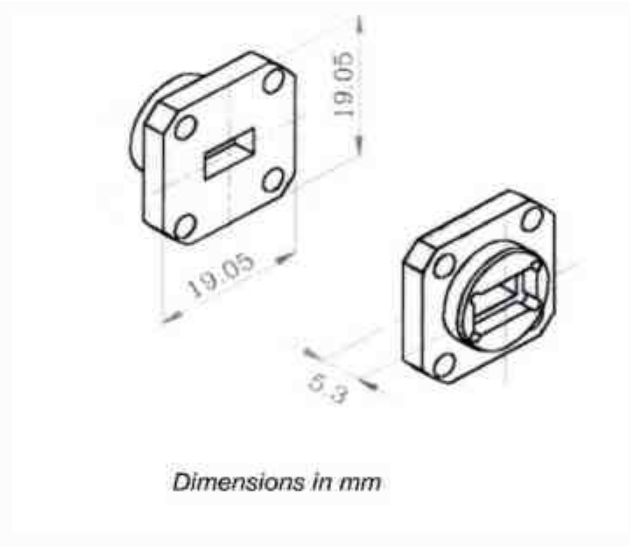


Fig.1 P/N FLNPBR320



P/N FLNUBR320 Fig.2

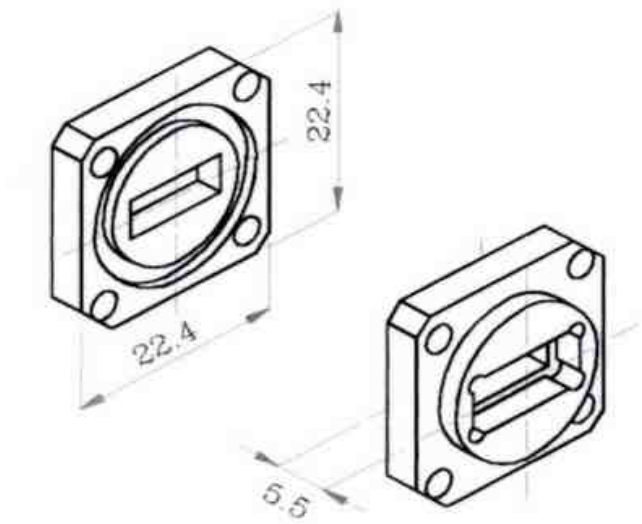
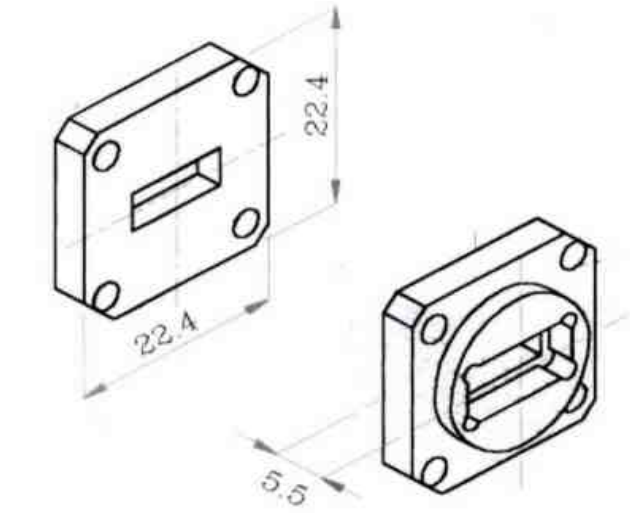


Fig.3 P/N FLNPBR220



P/N FLNUBR220 Fig.4

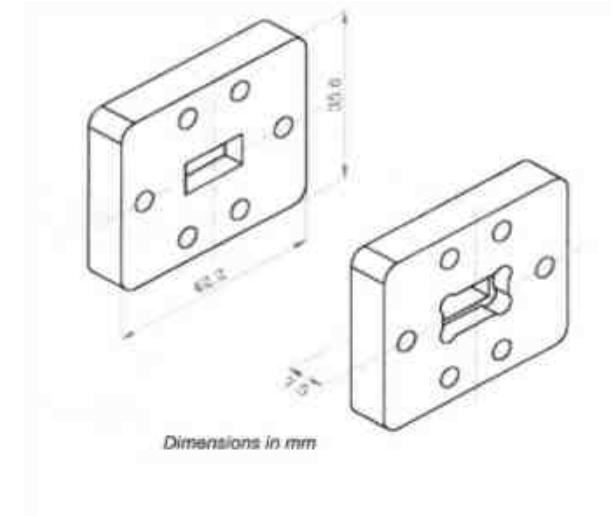
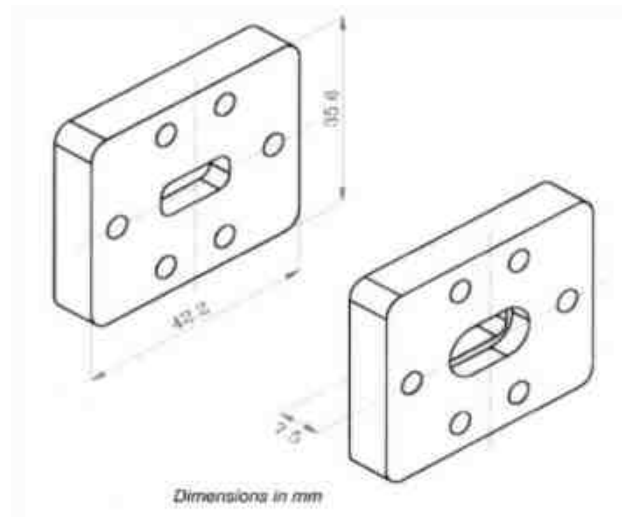


Fig.5 P/N FLNUDR180



P/N FLNUDR180FLX Fig.6

FLANGES FOR WAVEGUIDE DRAWINGS

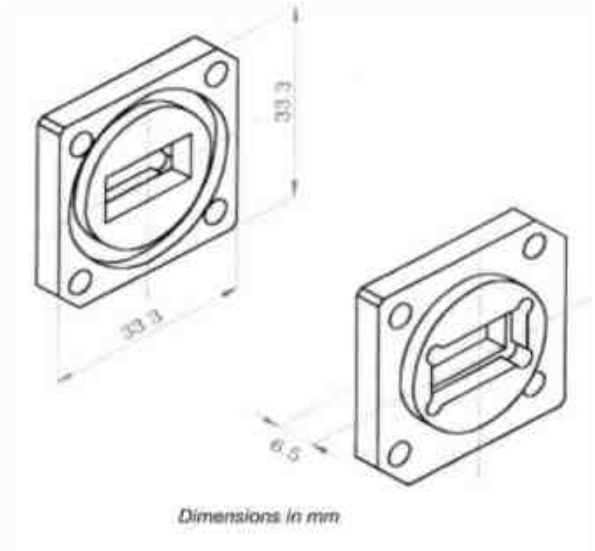
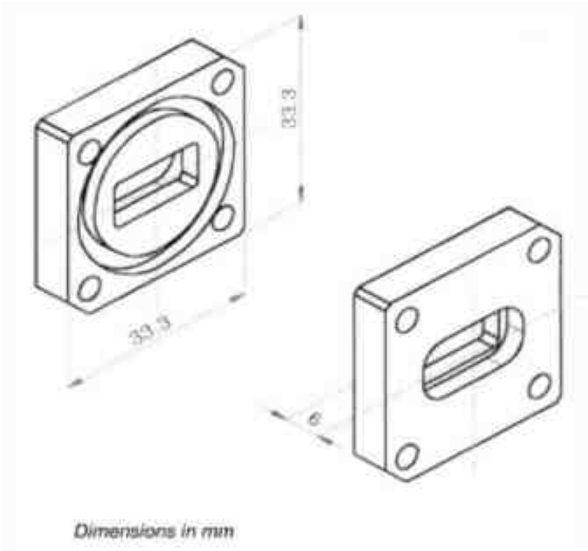


Fig.7 **P/N FLNPBR140**



P/N FLNPBR140FLX **Fig.8**

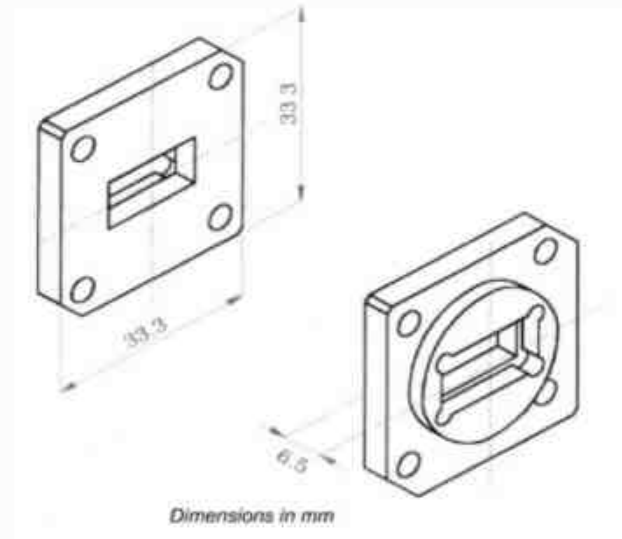
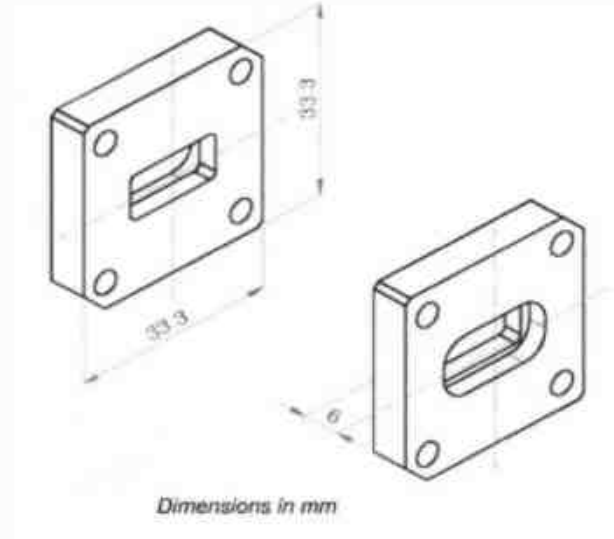


Fig.9 **P/N FLNUBR140**



P/N FLNUBR140FLX **Fig.10**

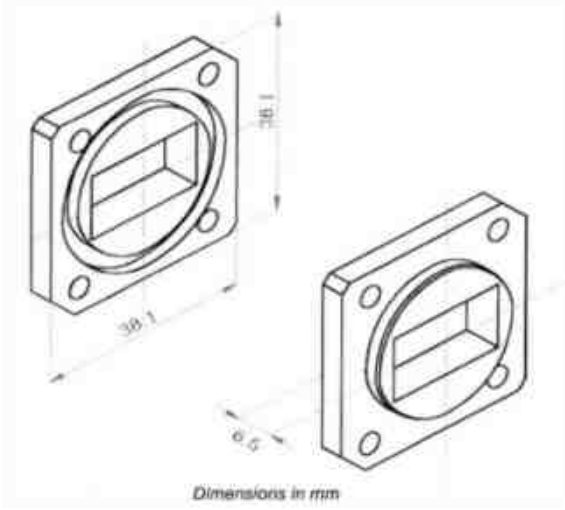
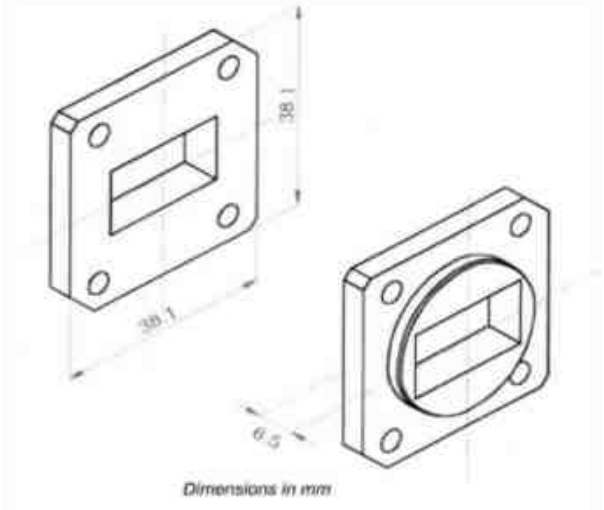


Fig.11 **P/N FLNPBR120**



P/N FLNUBR120 **Fig.12**

FLANGES FOR WAVEGUIDE DRAWINGS

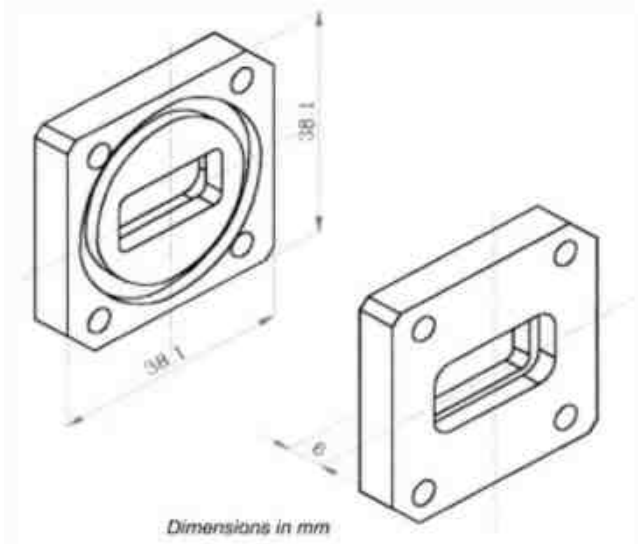
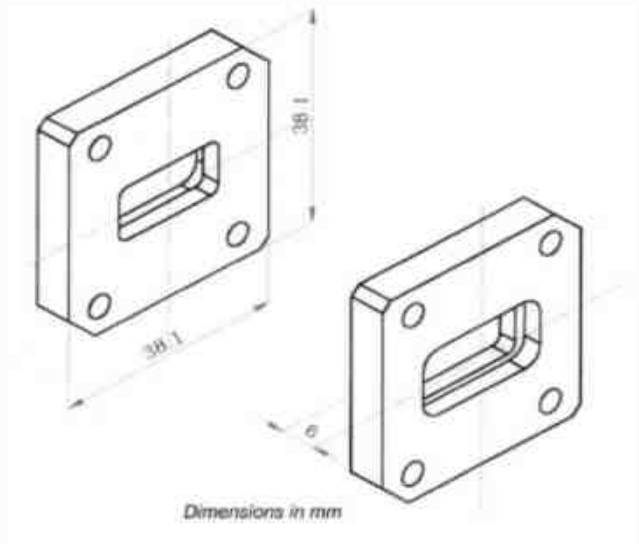


Fig.13 P/N FLNPBR120FLX



P/N FLNUBR120FLX Fig.14

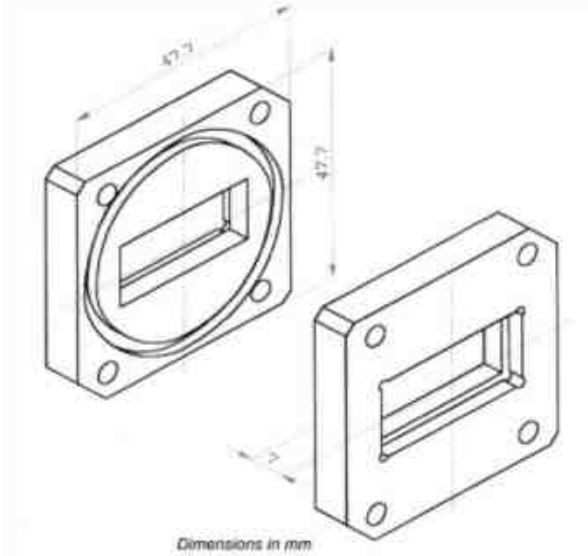
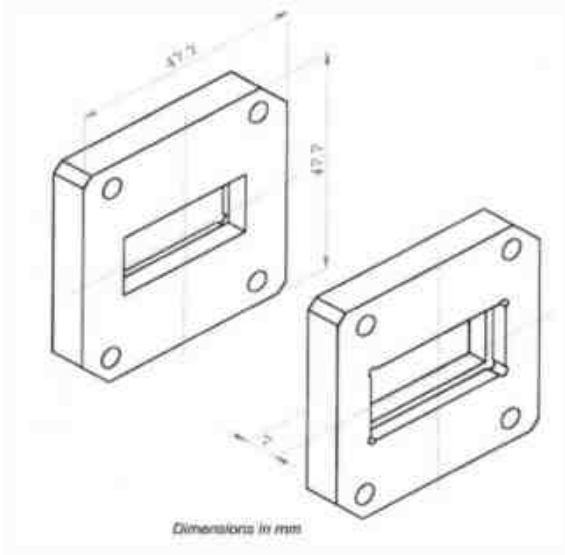


Fig.15 P/N FLNPBR84



P/N FLNUBR84 Fig.16

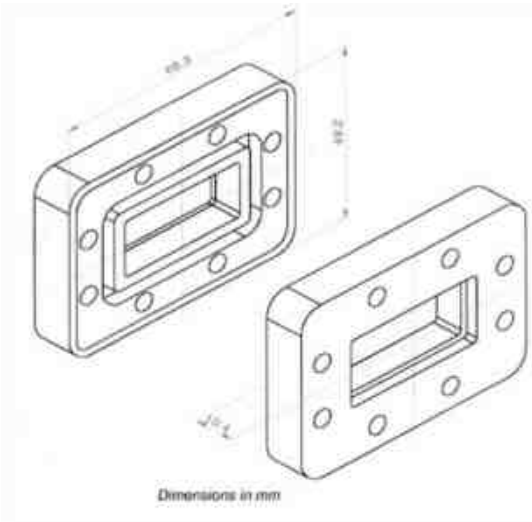
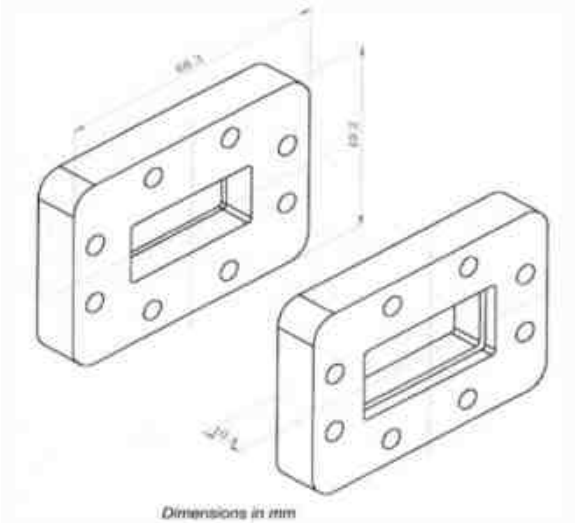


Fig.17 P/N FLNPDR70



P/N FLNUDR70 Fig.18

FLANGES FOR WAVEGUIDE DRAWINGS

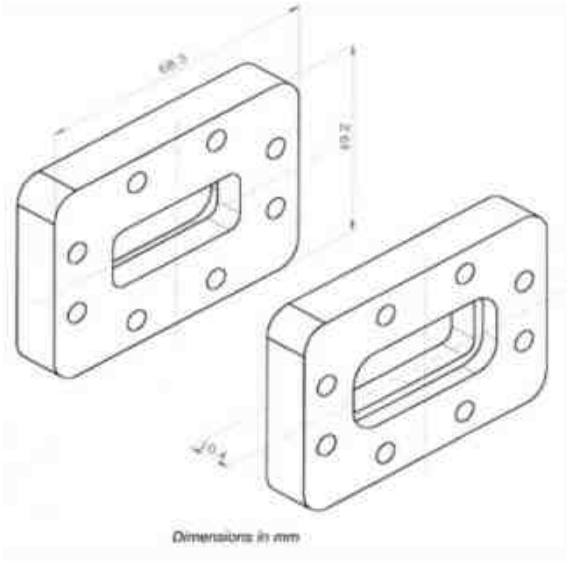
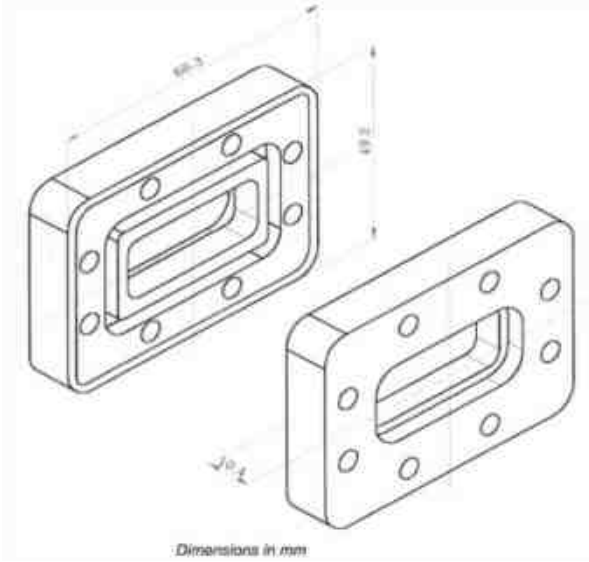


Fig.19 P/N FLNUDR70FLX



P/N FLNPDR70FLX Fig.20

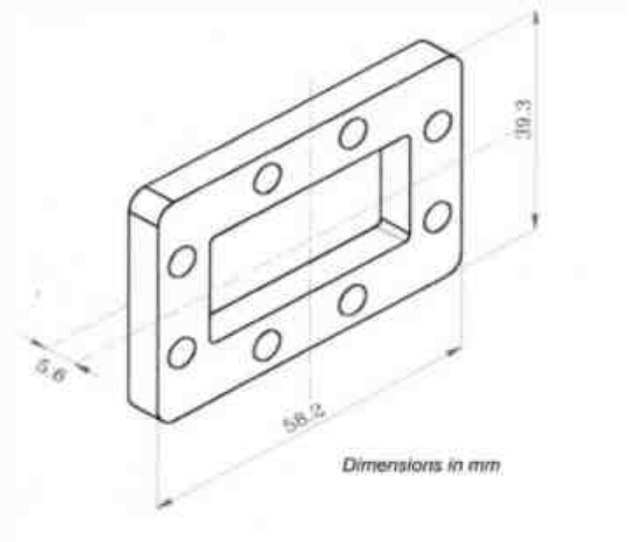
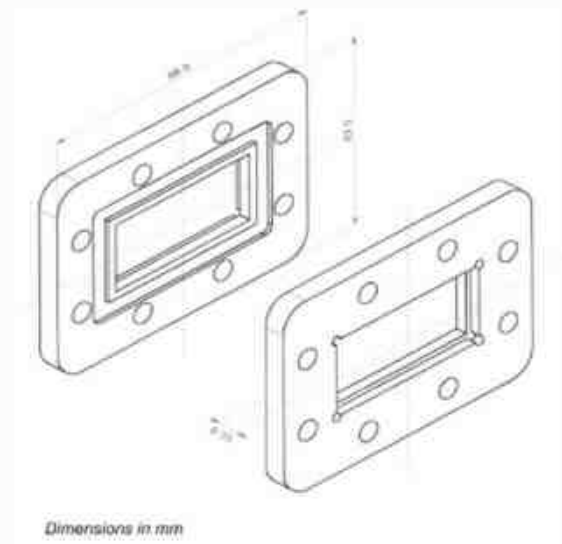


Fig.21 P/N FLNUER70



P/N FLNPDR48 Fig.22

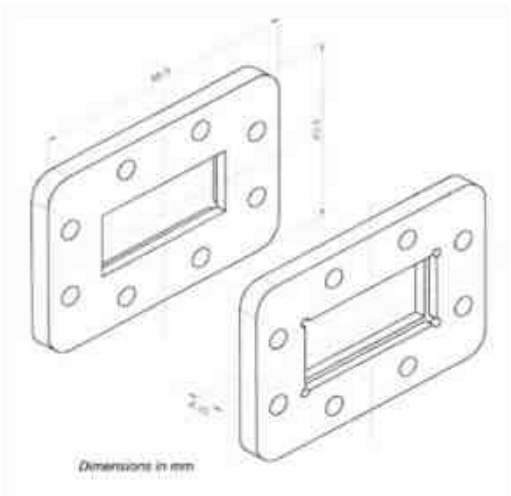
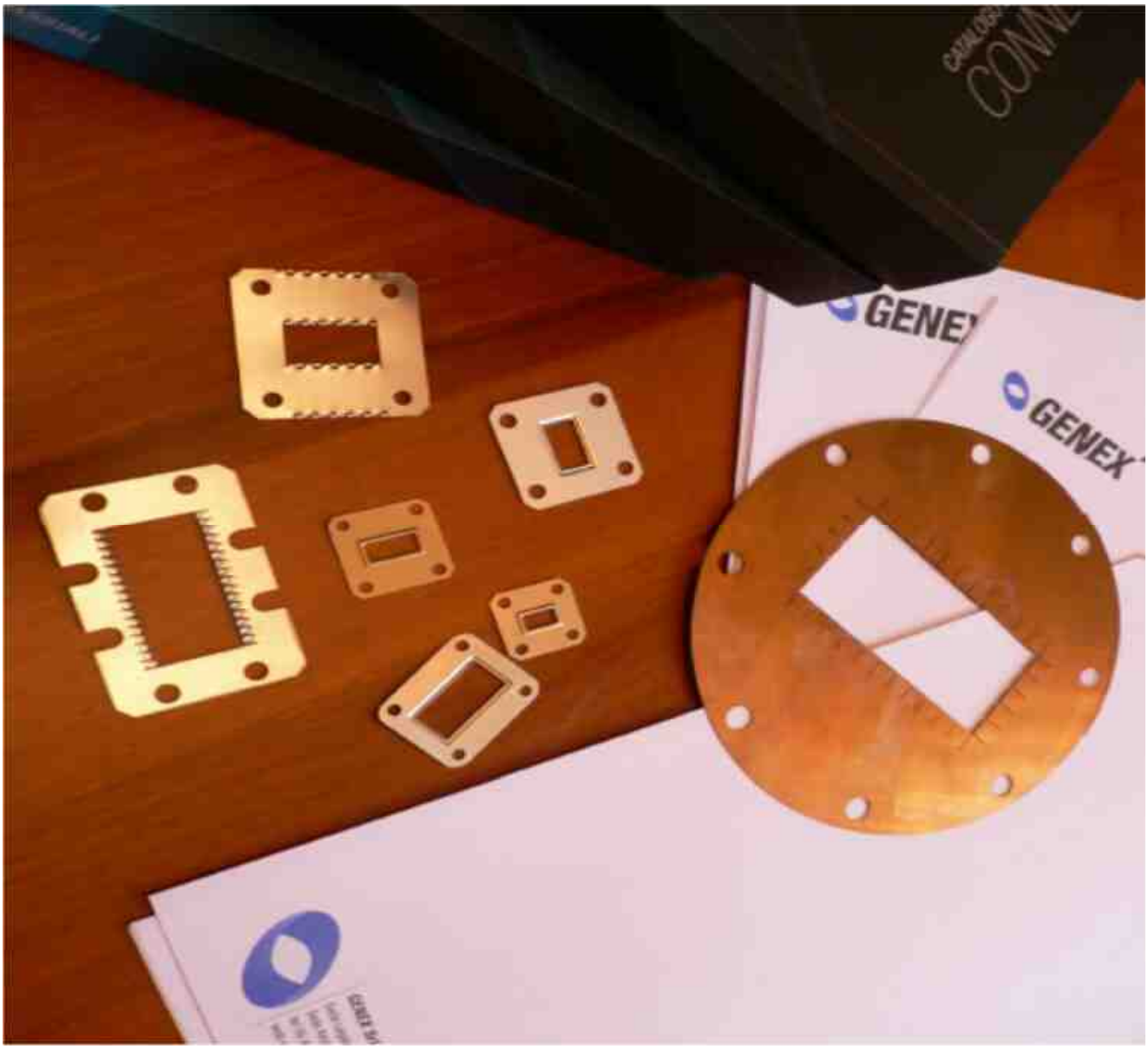


Fig.23 P/N FLNUDR48

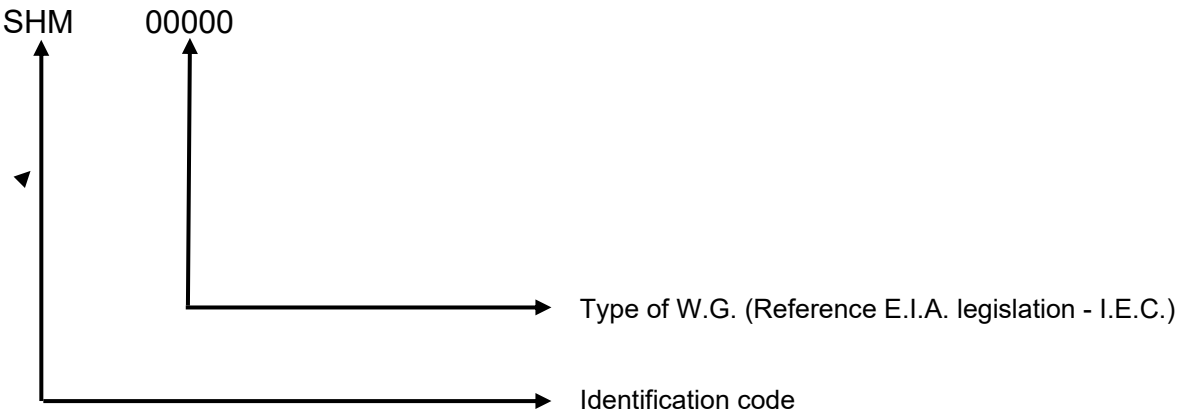
P/N Fig.24

SHIM



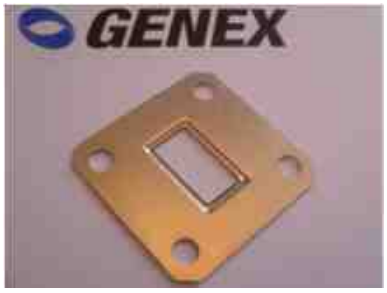
Components described following up represent our standard production. On request is possible produce Shim with different data sheet.

PART NUMBER GENEX RF SHIM



Ex.: SHMUBR120 = SHIM for square flange UBR120

SHIM

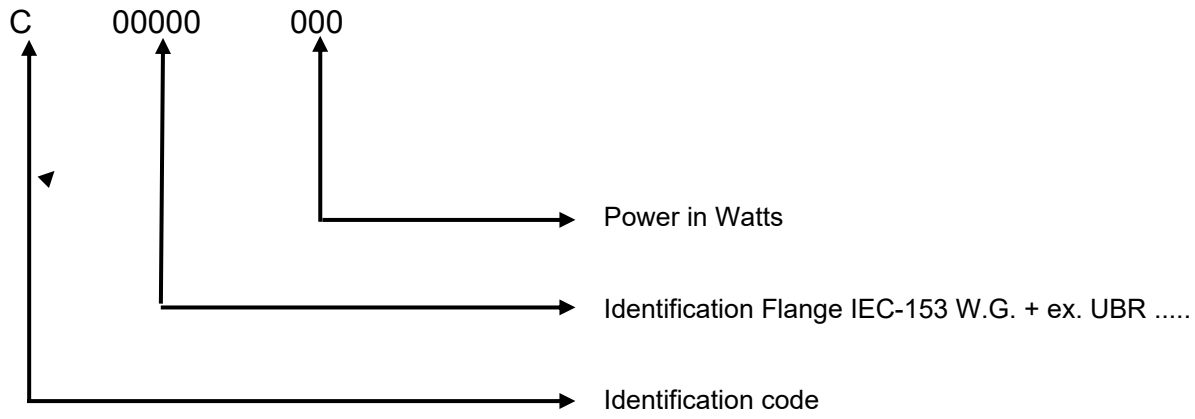


P.N. GENEX RF	Description	Notes	Fig.
SMHUBR320	Shim WR28 flange for square planar		
SMHUBR260	Shim WR34 flange for square planar		
SMHUBR220	Shim WR42 flange for square planar		
SMHUBR180	Shim WR51 flange for square planar		
SMHUDR180	Shim WR51 rectangular flange for pressurized planar		
SMHUBR140	Shim WR62 flange for square planar		
SMHUDR140	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		
SMHUDR70	Shim WR137 rectangular flange for pressurized planar		
SMHUER70	Shim for WR137 rectangular flange is not pressurized		
SMHUAR48	Shim for WR187 flange round flat		
SMHUDR48	Shim WR187 rectangular flange for pressurized planar		
SMHUER48	Shim for WR187 rectangular flange is not pressurized		
SMHUAR32	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

P/N GENEX RF	Description	Notes	Fig.
CUBR320010	flat termination with square flange	10 Watts	

Termination WR42

P/N GENEX RF	Description	Notes	Fig.
CUBR220005	flat termination with square flange	5 Watts	1
CUBR220010	flat termination with square flange	10 Watts	

Termination WR51

P/N GENEX RF	Description	Notes	Fig.
CUDR180005	pressurizable flat rectangular flange	5 Watts	

Termination WR62

P/N GENEX RF	Description	Notes	Fig.
CUBR140005	flat termination with square flange	5 Watts	2
CUBR140060	flat termination with square flange	60 Watts	3

Termination WR75

P/N GENEX RF	Description	Notes	Fig.
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

P/N GENEX RF	Description	Notes	Fig.
CUBR100005	flat termination with square flange	5 Watts	

Termination WR112

P/N GENEX RF	Description	Notes	Fig.
CUBR84005	flat termination with square flange	5 Watts	

Termination WR137

P/N GENEX RF	Description	Notes	Fig.
CUDR700005	pressurizable flat rectangular flange	5 Watts	

WAVEGUIDE TERMINATIONS DRAWINGS

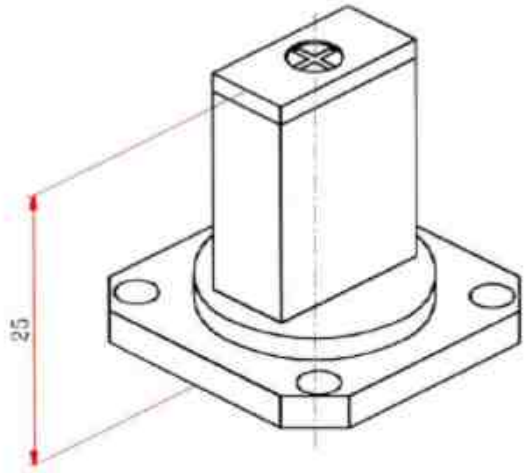
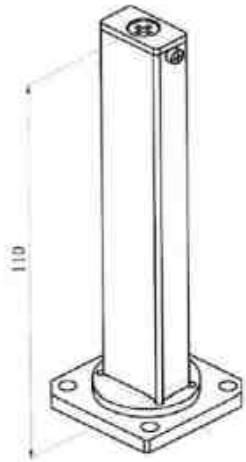


Fig.1 P/N CUBR220005



P/N CUBR140005 Fig.2

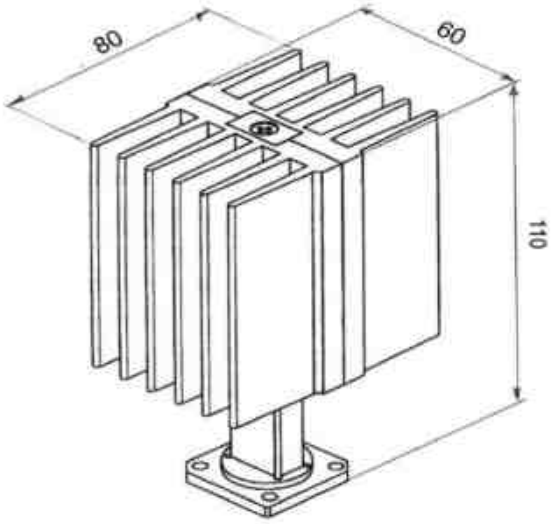
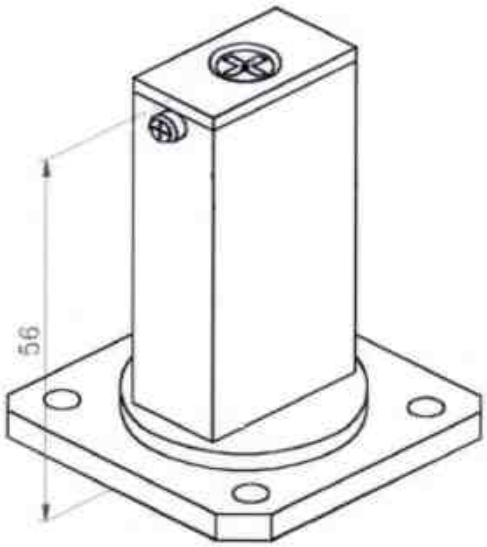


Fig.3 P/N CUBR140060



P/N CUBR120005 Fig.4

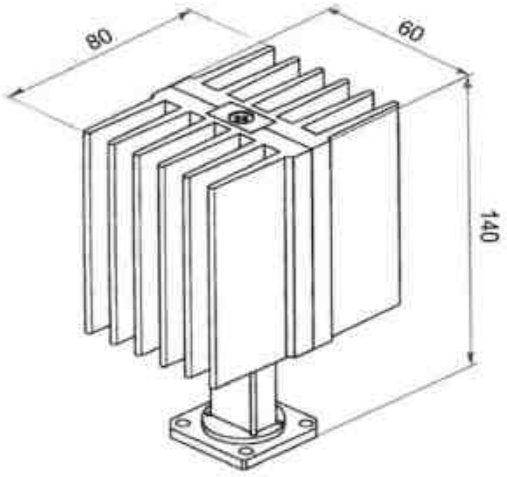
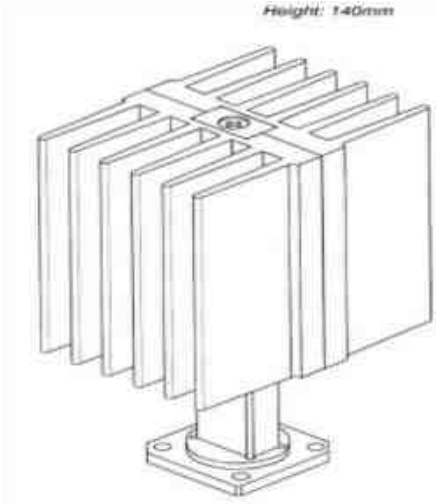


Fig.5 P/N CUBR120060



P/N CUBR120050 Fig.6

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COAXIAL CONNECTORS

MICROWAVE COMPONENTS

COUPLERS

This catalogue and his descriptions are subject to changes without notice

Rev A 18/11/2012

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