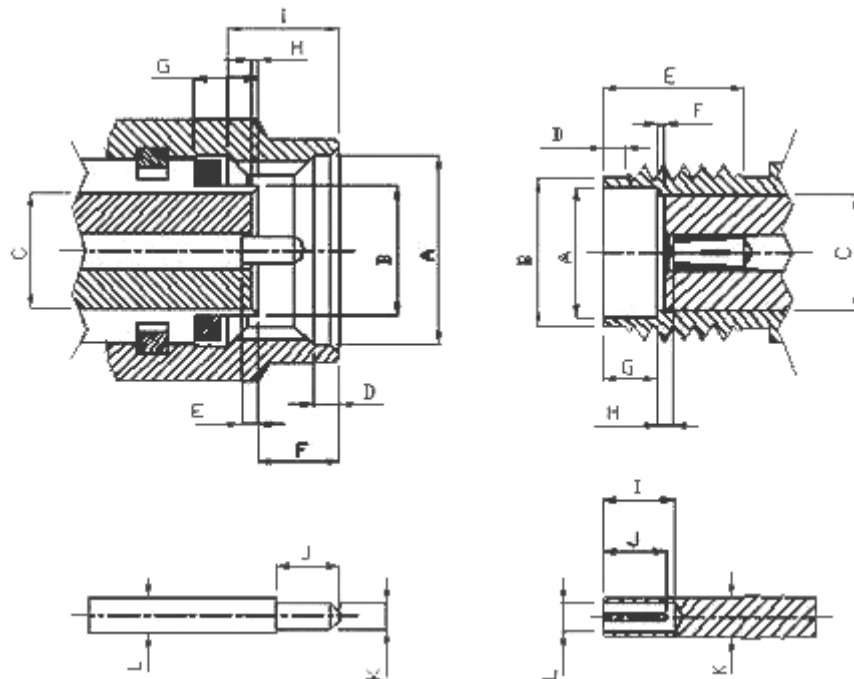


Description

SMA connectors are precision connectors for microwave application up to 18 GHz and higher. the high mechanical strength, high durability and low VSWR indicate the characters. Together with semi-rigid cable hi-grade lines can be installed. SMA receptacles(launchers) used to provide transition to coax from waveguide, form MIC-paks, and from stripline or microstrip on PCB.

Interface Mating Dimensions



Male					Female				
LTR	Millimeters / Inches				LTR.	Millimeters / Inches			
	Minimum		Maximum			Minimum		Maximum	
A	Φ6.48	Φ.225	Φ6.73	Φ.265	A	Φ4.60	Φ.810	Φ4.67	Φ.184
B	Φ4.34	Φ.171	Φ4.59	Φ.181	B	Φ5.28	Φ.208	Φ5.49	Φ.216
C	Φ4.10	Φ.162	Φ4.13	Φ.163	C	Φ4.10	Φ.162	Φ4.13	Φ.163
D	0.64	.025	1.14	.045	D	0.38	.015	1.14	.045
E	0.00	.000	0.13	.005	E	3.81	.150		
F	2.59	.102	3.35	.132	F	0.00	.000	0.25	.010
G	2.03	.080			G	1.88	.074	1.98	.078
H	0.00	.000	0.25	.010	H	0.00	.000	0.25	.010
I	3.71	.146	4.32	.170	I	2.54	.100		
J	2.03	.080	2.29	.090	J	1.91	.075	2.41	.095
K	Φ0.90	Φ.036	Φ0.93	Φ.037	K	Φ1.25	Φ.049	Φ1.29	Φ.051
L	Φ1.25	Φ.049	Φ1.29	Φ.051	L	Φ0.94	Φ.037	Φ0.99	Φ.039

Material / Finish:

	Material	Finish
Connector body	Brass per (QQ-B-636 or JIS-C3604B)	Nickel or gold plating
	Stainless steel per (QQ-S-764 class 303)	Passivated
Center contact male	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C 1730)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

Electrical:

Nominal impedance	50Ω
Frequency up to	12.4 GHz flexible cable, 18 GHz Semi-rigid cable
VSWR	1.10+0.01×f GHz S/T connector typical
	1.2+0.015×f GHz R/A connector typical
Working voltage	335 Volts rms.
Dielectric withstanding	500 Volts rms.
Insulation resistance	5000 MΩmin.
Contact resistance	Center conductor 3.0 MΩ
	Outer conductor 2.0 MΩ

Mechanical & Environmental:

Mating	1/4"-36 UNS Thread coupling
Cable retention	20 lbs typical
Durability	≧ 500 cycles
Coupling nut retention	≧ 40 lbs
Temperature range	-65°C to +165°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

SMA Switch Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Sleeve	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Insulator	PTFE	None
Spring	Stainless steel	None
Nut	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Washer	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating

Electrical :

Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	<1.65
Working voltage	335 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 3.0 m Ω
	outer conductor 2.0 m Ω

Mechanical & Environmental :

Mating	1/4"-36 UNS Thread coupling
Durability	$\geq$ 500 cycles
Temperature range	-55°C to +155°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

SMA Connector



P/N:10011404

SMA(F) S/T Bulkhead Jack For 0.81mm~1.32mm



P/N:05011913

SMA(F) R/A Bulkhead Jack For RG-174/316



P/N:05015113

SMA(F) S/T Jack For RG-174/316



P/N:10016404

SMA(F) R/A Jack For 1.13mm And P.C.B Mount



P/N:05010513

SMA(F) S/T Bulkhead Jack With O-Ring
For RG-174/316



P/N:05010913

SMA(F) S/T Jack With Panel 2-Hole SQ. Flange
For RG-174/316

SMA Connector



P/N:05011103

SMA(F) S/T Jack With Panel 4-Hole SQ. Flange
For 0.81mm



P/N:10010113

SMA(M) S/T Plug For RG-174/316



P/N:10010313

SMA(M) R/A Plug For RG-174/316



P/N:05014303

SMA(F) S/T R/P Bulkhead Jack For 0.81mm



P/N:05010604

SMA(F) S/T R/P Bulkhead Jack With O-Ring
For 1.13mm



P/N:10011509

SMA(F) S/T R/P Jack For 1.37mm/RG-178

SMA Connector



P/N:05014013

SMA(F) S/T R/P Jack For RG-174/316



P/N:10010413

SMA(M) R/A R/P Plug For RG-174/316



P/N:05011203

SMA(F) S/T R/P Jack With Panel 4-HoleSQ. Flange
For 0.81mm



P/N:05011613

SMA(F) R/A R/P Bulkhead Jack For RG-174/316



P/N:10012006

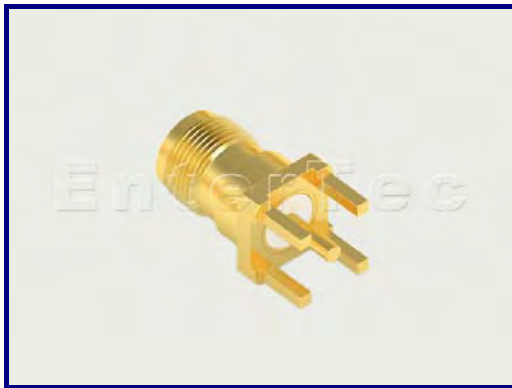
SMA(F) R/A R/P Jack For 1.37mm And P.C.B Mount



P/N:05010203

SMA(M) S/T R/P Plug For 0.81mm

SMA Connector



P/N:10012934

SMA(F) S/T Jack For P.C.B Mount



P/N:10012334

SMA(F) R/A Jack For P.C.B Mount



P/N:10011834

SMA(M) S/T Plug For P.C.B. Mount



P/N:10012734

SMA(F) S/T R/P Jack For P.C.B Mount



P/N:10012234

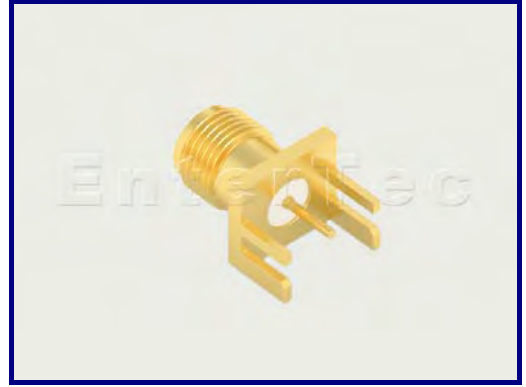
SMA(F) R/A R/P Jack For P.C.B Mount

SMA Connector



P/N:10012634

SMA(F) S/T Jack For Edge Mount



P/N:10013034

SMA(F) S/T Jack For Edge Mount



P/N:10013934

SMA(F) S/T Jack For Edge Mount



P/N:10015634

SMA(F) S/T Jack For Edge Mount



P/N:10015534

SMA(M) S/T Plug For Edge Mount



P/N:10019334

SMA(F) S/T R/P Bulkhead Jack For Edge Mount

SMA Connector



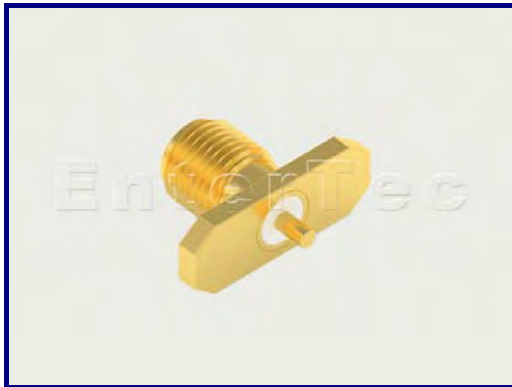
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SMA(F) S/T Jack With Panel 2-Hole SQ. Flange
For Panel Mount



P/N:10013234

SMA(F) S/T Jack With Panel 2-Hole SQ. Flange
For Panel Mount



P/N:10017634

SMA(F) S/T Jack With Panel 2-Hole SQ. Flange
For Panel Mount



P/N:10019534

SMA(F) S/T Jack With Panel 2-Hole SQ. Flange
For Panel Mount



P/N:10013334

SMA(F) S/T Jack With Panel 2-Hole SQ. Flange
For Panel Mount



P/N:10016634

SMA(F) S/T Jack With Panel 4-Hole SQ. Flange
For Panel Mount

SMA Connector



P/N:07017034

SMA(F) R/A Jack With Panel 4-Hole SQ. Flange
For Panel Mount



P/N:10011734

SMA(M) S/T Plug With Panel 4-Hole SQ. Flange
For Panel Mount



P/N:10013434

SMA(F) S/T Jack For Panel Mount



P/N:10013534

SMA(F) S/T Jack For Panel Mount



P/N:10016234

SMA(F) S/T R/P Jack For Panel Mount



P/N:04014734

SMA(M) S/T Bulkhead Plug Receptacle

SMA Connector



P/N:10018234

SMA(F) S/T Jack For Top Mount



P/N:10018534

SMA(F) S/T Jack For Top Mount



P/N:13018334

SMA(F) R/A Jack For Top Mount