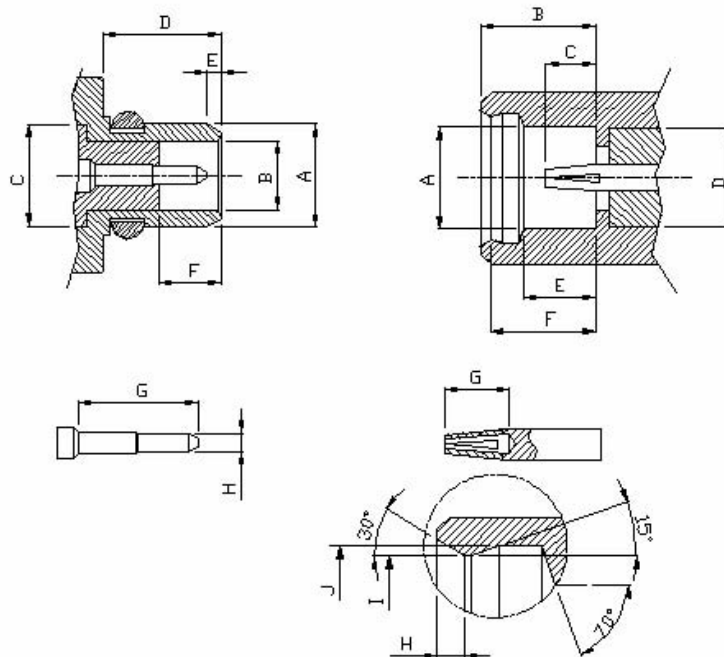


Description

MMCX connectors were developed for applications which require smallest dimensions. MMCX connectors can be used from DC up to 6GHz and higher. The locking consists of a snap-on mechanism. Also the non-slotted outer conductor the connection has a low Rf-leakage.

Interface Mating Dimensions



Male			Female		
LTR	Millimeters / Inches		LTR.	Millimeters / Inches	
	Minimum	Maximum		Minimum	Maximum
A		Φ2.39 Φ.094	A	Φ2.41 Φ.095	
B	Φ1.57 Φ.062	Φ1.63 Φ.064	B	2.59 .102	
C	Φ2.31 Φ.091	Φ2.36 Φ.092	C	0.89 .035	1.20 .047
D	2.69 .106		D	Φ2.31 Φ.091	Φ2.36 Φ.093
E	0.00 .000	0.25 .100	E	1.57 .062	1.63 .064
F	1.45 .057		F	2.28 .090	2.33 .092
G		3.15 .124	G	1.40 .055	
H	0.38 .015	0.43 .017	H		0.23 .009
I			I	Φ2.87 Φ.113	Φ2.90 Φ.114
J			J	Φ3.00 Φ.118	Φ3.05 Φ.120

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
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) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	50Ω
Frequency up to	6 GHz
VSWR	1.25 max.
Working voltage	125 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	500 MΩmin.
Contact resistance	Center conductor 5.0 MΩ
	Outer conductor 2.5 MΩ

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	10 lbs typical
Engage force	≤ 20N
Disengage force	5 to 20 N
Durability	≥ 500 cycles
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

MMCX Switch Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact male	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Insulator	PTFE	None
Spring	Stainless steel	Nickel plating
Side contact sub ass'y	Sumikasuper LCP	White

Electrical :

Nominal impedance	50Ω
Frequency up to	6 GHz
VSWR	<1.5
Insertion loss	<0.6dB
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	500 M Ω min.
Contact resistance	center conductor 5.0 mΩ
	outer conductor 2.5 mΩ

Mechanical & Environmental :

Mating	Snap on coupling
Engage force	≅ 2.5 kgf
Disengage force	0.5 to 2.5 Kgf
Durability	≅ 1000 cycles
Temperature range	-55k to +155k
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

MMCX Connector



P/N:10022009

MMCX(F) S/T Bulkhead Jack For RG-178



P/N:19021609

MMCX(F) S/T Bulkhead Jack For RG-178



P/N:20021809

MMCX(F) S/T Bulkhead Jack For RG-178



P/N:10020406

MMCX(F) S/T Jack For 1.13mm ~ 1.37mm



P/N:10022404

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



P/N:10020604

MMCX(M) S/T Plug For 1.13mm

MMCX Connector



P/N:10020314

MMCX(M) S/T Plug For LMR-100A/RD-316



P/N:10020113

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



P/N:10023313

MMCX(M) S/T R/P Plug For RG-174/316



P/N:10020204

MMCX(M) R/A R/P Plug For 1.13mm



P/N:10020309

MMCX(M) S/T Plug For RG-178

MMCX Connector



P/N:10021034

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



P/N:10022334

MMCX(M) R/A Plug For P.C.B. Mount



P/N:10021934

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



P/N:10021334

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



P/N:10020734

MMCX(M) S/T Plug For Edge Mount

MMCX Connector



P/N:10023034

MMCX(F) S/T Jack For SMT



P/N:10020834

MMCX(M) S/T Plug For SMT



P/N:10020934

MMCX(F) S/T Jack For SMT



P/N:10023234

MMCX(F) S/T Jack Switch Edge Card Receptacle



P/N:10021534

MMCX(F) S/T Jack SMT Switch