



MMCX and Reverse Polarity MMCX Specifications

Materials

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass	Gold
	Female: Beryllium copper	
Insulator	Teflon	N/A
Crimp ferrule	Annealed Copper	Nickel or Gold

Electrical

Electrical Data	Detail
Impedance	50 ohm
Frequency range	0~6GHz
Working voltage	170 volts rms max. at sea level
Insulation resistance	1,000 megaohms min.
Dielectric withstanding voltage	500 volts rms min. at sea level
Contact resistance	Center contact: 5.0 milliohms max.
	Outer contact: 2.5 milliohms max.
VSWR: f (GHz)	Straight: 1.3 max.
	Right angle: 1.5 max.
Insertion loss	0.2dB max. at 1GHz (straight)
	0.3dB max. at 1GHz (right angle)

Mechanical

Mechanical Data	Detail
Engagement force	3.4lbs max.
Disengagement force	1.4lbs ~ 3.4lbs
Connector durability	500 cycles min.
Cable retention force	RG174, 188, 316/U → 20lbs min.
	RG178/U → 6lbs min.

Environmental

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION F
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION C
Temperature range	-65°C to 165°C