

# MCX Series

## Electrical:

Impedance	50 ohm	75 ohm
Frequency Range	0 to 6 GHz	0 to 6 GHz
VSWR	0-2 GHz = 1.22 max (straight) 1.5 max (right angle) 2-6 GHz = 1.35 max (straight) 1.63 max (right angle)	
Dielectric Withstanding Voltage	RG-174, 188, 316: 750 volts rms max RG-178, 196: 500 volts rms max	
Contact Resistance	Center Contact: 5.0 milliohms max. Outer Contact: 1.0 milliohms max.	
RF Leakage	-60 db min.	
Insertion Loss	0.4 db max (straight) 0.6 db max (right angle)	
Insulation Resistance	1,000 Meg ohms min	

## Mechanical & Environmental

Mating	"Push-pull" snap-on coupling	
Durability	500 matings	
Cable Retention	RG-174, 188, 316: 20 lbs min	
Temperature Range	-65°C to 165°C	
Vibration	MIL-STD-202 Method 204 test Cond.B.	
Salt Spray	MIL-STD-202 Method 101 test Cond. B.	
Temperature Cycling	MIL-STD-1344 Method 1003 test Cond. A.	

## Material:

	Material	Plating
Connector Body	Brass	Gold or Nickel
Center Contact	Male: Brass Female: Beryllium-Copper	Gold Gold
Insulation	Teflon	None
Gasket	Silicone	None
Crimp Ferrule	Annealed Copper or Brass	Same as Body