



MCX

specification sheet

Electrical characteristics		
Impedance		50 Ω
Maximum frequency		6 GHz
Working voltage		335 V _{RMS} max.
Dielectric withstanding voltage		1000 V _{RMS} min.
VSWR	Straight	1.3 max.
	Right angle	1.5 max.
Contact resistance	Centre contact	5 m Ω max.
	Outer contact	2.5 m Ω max.
Insulator resistance		1000 M Ω min.

Materials			
Part name		Material	Finish
Body, metal parts		Brass per QQ-B-626	Gold 3 μ "
Outer contact, male		Beryllium copper per QQ-C-530	Gold 3 μ "
Centre contact	Male	Brass per QQ-B-626	Gold 30 μ "
	Female	Beryllium copper per QQ-C-530	Gold 30 μ "
Insulator		Teflon	None
Crimp ferrule		Annealed brass	Gold 3 μ "

Note: Other materials or finishes may be available on request

Mechanical & environmental characteristics	
Engagement force	3.4 lbs max.
Disengagement force	4.5 lbs max.
Contact retention	4 lbs min
Durability (mating cycles)	500 cycles min.*
Temperature range	-65 °C to 155 °C
Vibration	3 cycles, 3 opposite directions, 10 Hz to 150 Hz; 10 Hz to 60 Hz: 0.75mm, 60 Hz to 150 Hz: 10 G
Thermal shock	MIL-STD-202 method 107
Humidity	MIL-STD-202 method 103 test cond. B
Mechanical shock	MIL-STD-202 method 213 test cond. B

* For beryllium copper female contact only