



ELECTRICAL CHARACTERISTICS

Impedance	50 Ω
Frequency range	DC - 6 GHz (optimized) DC - 18 GHz (working range)
V.S.W.R. typical	DC - 3 GHz 3 GHz - 6 GHz
	1.06 1.12
Max insertion loss	0.25 dB
Insulation resistance	5000 M Ω
Voltage rating	$\leq$ 500 V RMS 50 Hz, sea level
Dielectric withstanding voltage	1500 V RMS 50 Hz, sea level
Contact resistance	center contact outer contact
	< 3 m Ω < 2.5 m Ω
Admissible power @ 2.5 GHz (continuous power)	125 W @ T = 40°C (150 W @ T = 23°C)
Passive Intermodulation	-120 dBc @ 1.8 GHz (2x20W) (static)
RF leakage	DC - 3GHz 3 - 6 GHz
	- 80 dB min - 70 dB min

MECHANICAL CHARACTERISTICS

Mechanical endurance	100 matings
Engagement and disengagement force	
Engagement	25 N
Disengagement	20 N
Retention force for interface	> 60 N
Cable retention	
2.6 / 50 S	90 N
2.6 / 50 D	110 N
5 / 50 S	180 N
5 / 50 D	200 N
5.7 / 50 D	220 N
Distance between connectors: c. to c.	12.4 mm min.
Vibration	40 m.s ⁻² at 500 Hz

ENVIRONMENTAL CHARACTERISTICS

Temperature range	- 40, + 80 °C
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MATERIALS

Connector bodies	Brass
Male center contact	Brass
Female center contact	Beryllium copper
Outer contact	Bronze
Other metallic parts	Brass
Insulators	PTFE

PLATING

Bodies	BBR*
Solder bodies	BBR*
SMT Bodies	GBR**
Outer contacts	BBR*
Center contacts	GOLD

* : Bright Bronze Radiall

** : Gold Bronze Radiall

All dimensions are given in mm.