

QLI

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS
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ELECTRICAL CHARACTERISTICS

Impedance	50Ω
Frequency Range	DC - 6 GHz
Typical VSWR	1.04 + 0.02 f (GHz)
Maximum Insertion Loss	0.05 √f (GHz) dB
Insulation Resistance	5000 MΩ min
Voltage Rating	≤1400 Veff
Dielectric Withstanding Voltage	>2500 Veff
Contact Resistance • Center Contact • Outer Contact	< 1 mΩ < 1.5 mΩ
Power	1000W @ 2 GHz
Intermodulation	>163 dBc (>120 dBm) 2x20W
Typical RF Leakage	-100 dB@1 GHz; -90 dB@3 GHz; -80 dB@5 GHz

MECHANICAL CHARACTERISTICS

Mechanical Endurance	100 Cycles
Engagement & Disengagement Force • Engagement • Disengagement	≤ 60N ≤ 50 N
Mating Mechanical Retention Force	450 N min.
Cable Retention Force	350 N mini with 1/2" S cable
Vibration	IEC 611169-1 10g / 10-500 Hz

ENVIRONMENTAL CHARACTERISTICS

Temperature Range	- 55 °C ~ + 120 °C
Moisture Resistance	IP67

MATERIALS

Connector Bodies	Brass
Male Center Contact	Bronze / Brass
Female Center Contact	Bronze
Outer Contact	Brass
Other Metallic Parts	Brass
Insulators	PTFE

PLATING

Bodies	BBR
Outer Contact	BBR
Center Contact	Silver