QLI

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS
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