4.3-10

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS

ELECTRICAL CHARACTERISTICS

Impedance	50Ω
Frequency Range	DC - 6 GHz
Typical VSWR	1.04 + 0.01 f (GHz)
Maximum Insertion Loss	0.05 √F (GHz) dB
Insulation Resistance	5000 MΩ min
Voltage Rating	<=1000 Veff
Dielectric Withstanding Voltage	>2500 Veff
Contact Resistance **• Center Contact** **• Outer Contact**	< 1 mΩ < 1.5 mΩ
Power	500W @ 2 GHz
Intermodulation	<165 dBc (>120 dBm) 2x20W
Typical RF Leakage	-110 dB@3 GHz; -100 dB@3~6 GHz

MECHANICAL CHARACTERISTICS

Mechanical Endurance	100 Cycles	
Mating Force (Push-Pull Version) **• Engagement Force for Mating** **• Separation Force for Mating**	<=100 N <=80 N	IEC 61169-1 §9.3.6
Mating Torque (Tool Screw Type) **• Torque**	5 N. m	IEC 61169-1 §9.3.6
Mating Mechanical Retention Force	450 N min.	
Cable Retention Force	350 N mini with 1/2" S cable	
Vibration	10g 2 Hz to 200 Hz	IEC 61169-1 § 9.3.3

ENVIRONMENTAL CHARACTERISTICS

Temperature Range	- 55 °C ~ + 90 °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