2.4 mm

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS

ELECTRICAL CHARACTERISTICS

Impedance	50Ω
Frequency Range	DC - 50 GHz
V.S.W.R.	< 1.05 + 0.003 F (GHz)
Insertion Loss	0.04 √ F (GHz)
RF Leakage	– 100 dB max
Insulation Resistance **• Contact Resistance**	<= 1400Veff > 5000 mΩ
Contact Resistance **• Outer Conductor** **• Inner Conductor**	 < 0.8 mΩ < 4 mΩ
Voltage Rating	250 V(RMS)
Dielectric Withstanding Voltage	500 V(RMS)

MECHANICAL CHARACTERISTICS

Mechanical Endurance	500 Matings
Force to Engage and Disengage	< 23 N cm
Mating Torque	90 N cm
Coupling Nut Retention Force	< 272 N
Cable Retention Force **• Outer Conductor** **• Inner Conductor**	 130 N
Contact Captivation	27N

ENVIRONMENTAL CHARACTERISTICS

Temperature Range	-65 °C / + 165 °C
Thermal Shock	MIL STD 202, Method 107, Condition B, -65 °C / + 165 °C
High Temperature Test	MIL STD 202, Method 108, Condition D, 1000 H at 150 °C
Corrosion (Salt Spray)	MIL STD 202, Method 101, Condition B, 48 H / 35 °C / 5 %
Vibration	MIL STD 202, Method 204, Condition H, 30g RMS
Shock	MIL STD 202, Method 213, Condition I, 100g
Moisture Resistance	MIL STD 202, Method 106, 80% / 100% 25 °C / 65 °C 10 Cycles

MATERIALS AND PLATING

	Material	Plating
Bodies	Beryllium Copper	Cu2.5 Au0.8
Outer Contact (Body Insert)	Brass	Cu2.5 Au0.8
Center Contacts	Beryllium Copper	Ni2 Au1.3
Coupling Nut	Stainless Steel	Passivated
Gaskets	Silicone Rubber	-
Insulators	PEEK	-