IMP/ump

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS

ELECTRICAL CHARACTERISTICS

	IMP	UMP
Impedance	50Ω	
Frequency	DC - 6 GHz	
V.S.W.R. Max	1.3	1.05 + 0.03F (mated connectors)
Insertion Loss (dB)	0.2 √F (GHz)	
RF Leakage		-40dB min at 2 GHz
Insulation Resistance	3000MΩ	1000MΩ min
Contact Resistance (depending on PC board) • Center Contact • Outer Contact	60 mΩ 10 mΩ	
Working Voltage	100 VRMS	
Dielectric Withtanding Voltage	350 VRMS	
Power at Sea Level, at 20 °C	20 W (at 3 GHz)	50 W (at 1.8 GHz)

MECHANICAL CHARACTERISTICS

Durability	> 20	- Lock: 100 - Snap-on: 3000 - Slide-on: 10,000
Weight (g)	0.02	- Receptacle: 0.03 - Plug: 0.08
Axial Misalignment from Nominal Board to Board Distance in mm (inch)	±0.2 (.008)	N/A
Radial Misalignment in mm (inch)	-	N/A
Force to Engage	-	5N
Cable Retention Force	-	20N - 100N
Sine Vibrations	-	IEC 68-2-6
Random Vibrations	-	IEC 68-2-36
Shocks	-	IEC 68-2-29
Retention on Test Board	-	20N min

ENVIRONMENTAL CHARACTERISTICS

Temperature Range	-40 / +90 °C

MATERIALS

Body/Outer Contact	Beryllium Copper	-Plug: Brass -Receptacle: Berylium copper
Center Contact		Brass (plug only)
Insulator	Polyethercetone	PTFE

PLATING

Body	Gold
Center Contact	