



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₀	RELEASED	9/30/98	S. Mody

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 319.2	Temperature Rating -65°C-125°C
Frequency Range (GHz) DC to 40	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Cond. D
Voltage Rating (VRMS MIN) 250 @ Sea Level	Insertion (MAX Lbs) 3.0	Shock MIL-STD-202, Method 213, Cond. I
VSWR 1.07 ± 0.10 (1GHz)	Withdrawal (MIN Oz) 1.0	Thermal shock MIL-STD-202 Method 107, Cond. B, except High Temp shall be 115°C
Insertion Loss (dB MAX) 0.4 √ f (GHz)	Force to Engage and Disengage (In-Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106, except step 7b (vibration) shall be omitted. No Measurements at high humidity.
RF Leakage (dB MIN) -60 @ 2 to 3 GHz	Center Contact Captivation:	Corrosion MIL-STD-202, Method 101, Cond. B, 5% salt spray
Corona, 70,000 FI (VRMS MIN) 190	Axial (Lbs) 6.0	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750	Radial (In-Oz) 4.0	
Contact Resistance (Milliohms MAX)		
Center Contact 4.0		
Outer Contact 2.0		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500		
I.R. (Megohms Min) 5,000		

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY PATLAN	DATE 9-30-98	M/A-COM a Division of AMP Incorporated 140 Fourth Avenue Waltham, MA 02154-7577
FRAC. DEC. ANGLES	CHECKED BY	APPRO BY	
1/64 .005 °			
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CUSTOMER

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