



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	12/22/98	S. Morley

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A	Temperature Rating -65°C to 165°C
Frequency Range (GHz) DC to 4.0	SMA - 310.2	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	BNC - 301.2	Shock MIL-STD-202, Method 213, Condition I
Sea Level 335	Recommended Mating Torque	Thermal Shock MIL-STD-202, Method 107, Condition B,
VSWR 1.30 Max. 0.5 to 4.0 GHz	SMA - 7-10 in-Lbs	
Insertion Loss (dB MAX) 0.2√f(GHz)	BNC - N/A	
RF Leakage (dB MIN) -55, 2 to 3 GHz	Mating Characteristics:	
Corona, 70,000 Ft (VRMS MIN) 250		
Dielectric Withstanding Voltage		
(VRMS MIN) Sea Level 1,500	Insertion (Lbs) SMA 3.0 BNC 2.0	Moisture Resistance MIL-STD-202, Method 106 Shall Be Omitted
Contact Resistance (Milliohms MAX)	Withdrawal (Oz) 1.0 1.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Center Contact 4.1	Force to Engage/Disengage	
Outer Contact 2.2	Longitudinal (Lbs) N/A 3.0	
RF High Potential Sea Level	Torque (in-Lbs) 2.0 2.5	
(VRMS MIN 5 MHz) 670	Contact Retention	
I.R.(Megohms MIN) 5,000	Axial (Lbs) 6.0	
	Radial (in-Oz) N/A	
	Weight (Grams) TBD	

HOUSING (BNC)	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204
HOUSING (SMA)	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
COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY S. Morley 12/22/98 CHECKED BY APPD BY S. Morley 12/22/98	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°	USE ASS'Y PROCEDURE NO. AP. N/A	TITLE BNC JACK TO OSM JACK BETWEEN SERIES ADAPTER
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