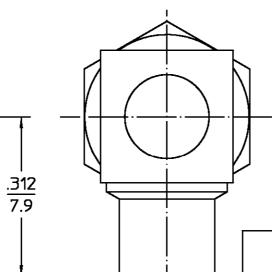


OSM— PLUG

DESIGNED FOR USE WITH .141 SEMI-RIGID CABLE CABLE ENTRY DIAMETER MINIMUM HOUSING . 144

CONTACT

	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
013	REVISED	4-12-95	PD



ELECTRICAL	MECHANICAL	ENVIRONMENTAL		
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A,	Temperature Rating <u>-65°C</u> to +165°C		
Frequency Range (GHz) DC to 18	Fig. <u>310.1</u>	Vibration MIL-STD-202, Method		
Volt Rating (VRMS MAX)	Recommended Mating	204, Condition D.		
6 Sea Level 335	Torque 7-10 in-lbs	Shock MIL-STD-202, Method 213,		
VSWR 1.10 +.01 f (GHz)	Mating Characteristics:	Condition I.		
Insertion Loss (dB MAX) .05\(\sqrt{f(GHz)}\)	Insertion (MAX Lbs) 3.0	Thermal Shock MIL-STD-202,		
RF Leakage (dB MIN) [-90-f(GHz)]	Withdrawal (MIN 0 <u>z) 1.0</u>	Method 107. Condition B.		
Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage and	Except High Temp +115°C		
Dielectric Withstanding Voltage	Disengage (In-Lbs MAX) 2.0	Moisture Resistance MIL-STD-202,		
(VRMS MIN) 8 Sea Level 1,500	Center Contact Captivation	Method 106		
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0	Corrosion - MIL-STD-202, Method		
Center Contact 2.0	Radial (In-0 <u>z) N/A</u>	101, Condition B, 5% salt spray		
Outer Contact 2.0	Cable Retention			
Cable to Housing 0.5	Axial Force (Lbs MIN) 60			
RF High Potential 6 Sea Level	Torque (In- <mark>0z) 55</mark>	.XXX = in		
(VRMS MIN 8 5 MHz) 1,000	Weight (Grams) TBD	XX.X = mm		
I.R.(Megohms MIN) 10,000				

COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER QQ-P-35		
HOUS I NG CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204		
DIELECTRIC	TFE 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		
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194. ALLOY C17200, CONDITION H	N/A		
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A		
COMPONENT	MATERIAL	FINISH		
UNLESS OTHERWISE SPECIFIED DRAWN BY DATE				

	COMPONENT		MATERIAL			FINISH				
	DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES		.G. .A. .F.	11-20-76 11-22-76 12-1-76	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599					
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	used in whole or in part as the basis for the manufacture or sale of item(s) without written			R B	2680		2007-50	54-02	01 ₃	
	permission.				SCALE	5 :	1		SHEET 1	OF 1
									4054440	

CUSTOMER DRAWING

AMP PART # 1051110-1 SHEET 1 OF 1 REV A

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