



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ⁰	RELEASED	03/10/85	<i>JD</i>

**COPY IN PUERTO RICO
DESIGN CONTROL REQUIRED**

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions BNC MIL-STD-348A Fig. 301.1	Temperature Rating -65°C to +125°C
Frequency Range (GHz) DC to 4	OSM MIL-STD-348A Fig. 310.2	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) Sea Level 335	Recommended Mating Torque 4-6 In-Lbs	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.30 Max at 0.5 to 4.0 GHz	Mating Characteristics: BNC OSM	Thermal Shock MIL-STD-202, Method 107, Condition C
Insertion Loss (dB MAX) 0.2√(GHz)	Insertion (Lbs Max) N/A 3.0	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) 250	Withdrawal (Oz Min) N/A 1.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1500	Force to Engage/Disengage Longitudinal Force (Lb Max) 3.0 N/A Torque (In-Lb Max) 2.5 2.0	
Contact Resistance (Milliohms MAX) Center Contact 4.1 Outer Contact 2.2	Contact Retention Axial (Lbs Min) 6.0 Radial (In-Oz) N/A	
RF High Potential Sea Level (VRMS MIN @ 5 MHz) 670	Weight (Grams) TBD	
IR (Megohms MIN) 5000		

COMPONENT	MATERIAL	FINISH
HOUSING (OSB)	BRASS PER ASTM-B-16 HALF HARD	NICKEL PLATE PER QQ-N-290
HOUSING (OSM)	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY <i>JD</i> DATE 03/10/85	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY <i>JD</i> APP'D BY <i>JD</i> DATE 03/10/85	
These drawings and specifications are the property of Osm Spectra Incorporated and shall not be reproduced or copied or used in whole or in part on the basis of the manufacture or sale of item(s) without written permission.	USE ASSY PROCEDURE NO. AP. N/A	AMP TITLE OSB PLUG TO OSM JACK ADAPTER SIZE CODE IDENT NO. 1250-1700-00 SCALE 4:1 REV 01 ₀ SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1046274-1
SHEET 1 OF 1 REV A