



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 <sub>2</sub>	ECN 92-0010	1/12/93	<i>AD</i> 1/14/93

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, OSM Fig. 310.2	Temperature Rating <u>-65°C to +125°C</u>
Frequency Range (GHz) DC to <u>25</u>	OSSM Fig. 319.1	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Recommended Mating Torque PLUG END <u>5 ±.5 in-lbs</u>	Shock MIL-STD-202, Method 213, Condition I.
VSWR <u>DC - 12.4 (GHz)-1.06 +.009 f(GHz)</u> <u>12.4 - 25.0 (GHz)-1.05 +.01 f(GHz)</u>	Mating Characteristics OSM END: Insertion (MAX Lbs) <u>3.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, except high temp shall be +85°C
Insertion Loss (dB MAX) <u>.06 √f(GHz)</u>	Withdrawal (MIN Oz) <u>1.0</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-(60-f(GHz))</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Center Contact Captivation Axial (Lbs) <u>6.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Radial (In-Oz) <u>4.0</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u>	Cable Retention Axial Force (Lbs) <u>N/A</u>	
Outer Contact <u>2.0</u>	Torque (In-Oz) <u>N/A</u>	
Cable to Housing <u>N/A</u>	Weight (Grams) <u>2.9</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>		
I.R.(Megohms MIN) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
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 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY <u>E.J.C</u>	DATE <u>7/12/68</u>	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	CHECKED BY <u>PRB</u>	DATE <u>7/16/68</u>	
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.	APPD BY <u>7/17/68</u>	TITLE <b>OSM JACK TO OSSM PLUG ADAPTER</b>	
	USE ASS'Y PROCEDURE	NO. AP. <u>N/A</u>	SIZE <b>B</b>
	SCALE <b>8 : 1</b>		CODE IDENT NO. <b>26805</b>
		<b>2082-2201-00</b>	SHEET 1 OF 1

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