



DESIGNED FOR USE WITH		REVISIONS			
.141 DIA S.R. CABLE		REV	DESCRIPTION	DATE	APPROVED
CABLE ENTRY DIAMETER	MINIMUM	02 ₀	SEE ECR # 522	10/18/78	RC
HOUSING	.144 (3.7mm)	02 ₁	SEE ECN 80-0084	GB 1/31/80	TS 2/1/80
		02 ₂	REDRAWN ON CAD PER ECN 88-0678	BB 9-9-91	<i>RAC</i> 12/5/91

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. <u>310.3</u>	Temperature Rating <u>-65°C to 105°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Recommended Mating Torque <u>7 to 10 in-LBs</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.02 + .005f(GHz)</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Except High Temp <u>115°C</u>
RF Leakage (dB MIN) <u>-(90-f(GHz))</u>	Center Contact Captivation Axial (Lbs) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106, No Measurement At
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Radial (In/Oz) <u>N/A</u>	High Humidity
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>N/A</u>	Cable Retention Axial Force (Lbs) <u>60 MIN</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Contact Resistance (Milliohms MAX) Center Contact <u>N/A</u>	Torque (In/Oz) <u>55</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>		
LR.(Megohms MIN) <u>10,000</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
RETAINING RING	CARBON SPRING STEEL	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY DJC	DATE 9/4/69	 AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. DEC. ANGLES	CHECKED BY PD	9/8/69	
± 1/64 ±.005 ± °	APPD BY D.NANIA	9/8/69	
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 item(s) without written permission.	USE ASS'Y PROCEDURE	408-04778 NO. AP. (20-002)	TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT
	SIZE B	CODE IDENT NO. 26805	2001-5025-00
	SCALE 5:1		REV 02 ₂
			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050536-1
SHEET 1 OF 1 REV A