



DESIGNED FOR USE WITH	.141 DIA S.R. CABLE
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.144 (3.7mm)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 ₀	SEE ECR # 522	10/18/78	RC
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>[Signature]</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, Except High Temp <u>115°C</u>
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Moisture Resistance MIL-STD-202, Method 106, No Measurement At High Humidity
RF Leakage (dB MIN) <u>-(90-f(GHz))</u>	Center Contact Captivation Axial (Lbs) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Radial (In/Oz) <u>N/A</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>N/A</u>	Cable Retention Axial Force (Lbs) <u>60 MIN</u>	
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>		
I.R.(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	DATE		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	FRAC. DEC. ANGLES	CHECKED BY		
± 1/64 ±.005 ± °	D.J.C.	9/4/69	PD	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.	APPD BY	D.NANIA	9/8/69	
	USE ASS'Y PROCEDURE		TITLE	
	NO. AP. 408-04778 (20-002)		OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT	
SIZE	CODE IDENT NO.	REV		
B	26805	02 ₂	2001-5025-00	
SCALE	5:1	SHEET 1 OF 1		

CUSTOMER DRAWING

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