



DESIGNED FOR USE WITH .085 DIA S.R. CABLE	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.0215
HOUSING	.088

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₁	REDRAWN ON CAD ECN 92-0009	1/6/94	<i>[Signature]</i>

CAPTURED CENTER CONTACT

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
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 NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A	Temperature Rating <u>-65°C to 105°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Fig. <u>310.1</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Recommended Mating Torque <u>7 to 10 in-LBs</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.07 + .01f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-[90-f(GHz)]</u>	Withdrawal (MIN Oz) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	
Center Contact <u>3.0</u>	Radial (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (Lbs) <u>30</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In-Oz) <u>16</u>	
I.R.(Megohms MIN) <u>5,000</u>	Weight (Grams) <u>T.B.D.</u>	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY	DATE	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	ED HOYLE	3/1/88	
FRAC. DEC. ANGLES	CHECKED BY		AMP
± 1/64 ±.005 ± °	BAR	3/3/88	
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		TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT
	BAR	3/3/88	
	USE ASS'Y PROCEDURE		NO. AP. <u>408-04970 (20-701)</u>
	SIZE	CODE IDENT NO.	REV
	B	26805	01 ₁
	SCALE	5:1	SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050735-1
SHEET 1 OF 1 REV A