



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
020	RELEASED	4/26/93	MM 4/28/93

DESIGNED FOR USE WITH .085 DIA SEMI-RIGID CABLE CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.089
CONTACT	.021

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380 EXCEPT CABLE TERMINATION AREA TO BE GOLD PLAT PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
BUSHING MOUNTING NUT LOCKWASHER	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 COPPER PLATE PER MIL-C-14550
O-RING INTERNAL	SILICONE RUBBER PER ZZ-R-765	N/A
O-RING EXTERNAL	NITRILE ( BUNA-N ) PER MIL-P-25732	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50 ±1</u>	Interface Dimensions <u>OMNI-SPECTRA CATALOG</u>	Temperature Rating <u>-65° to +125°C</u>
Frequency Range (GHz) <u>DC to 2.0</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D, 20 G'S
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Insertion (MAX Lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I, 100G's
VSWR <u>1.10+0.01f(GHz)</u> DC to 2.0 GHz	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) <u>.03x√f(GHz)</u>	Force to Engage (In-Lbs MAX) <u>3</u>	Except High Temperature Shall Be 115°
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(85-f(GHz))</u>	& Disengage (In-Lbs MAX) <u>1.5</u>	Moisture Resistance MIL-STD-202, Method 106, Except Step 7B
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Center Contact Captivation	Shall Be Omitted
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Axial (Lbs) <u>6</u>	Corrosion - MIL-STD-202, Method 101, Condition B
Contact Resistance (Milliohms MAX)	Cable Retention	
Center Contact <u>2.0</u>	Axial Force (Lbs MIN) <u>30</u>	
Outer Contact <u>2.0</u>	Torque (In-Oz MIN) <u>16</u>	
Cable to Housing <u>0.5</u>	Weight (Grams) <u>TBD</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Hermetic Seal <u>1 x 10<sup>-5</sup> cc/sec/atm</u>	
IR.(Megohms MIN) <u>5000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY D.CAM	DATE 7/10/92	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY	
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		TITLE OSP BULKHEAD FEEDTHROUGH CABLE PLUG DIRECT SOLDER ATTACHMENT
	NO. AP. <u>45-144</u>	SCALE <u>5:1</u>	
	<u>408-04609</u>		SHEET 1 OF 1

CUSTOMER DRAWING AMP PART # 1046494-1 SHEET 1 OF 1 REV A

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