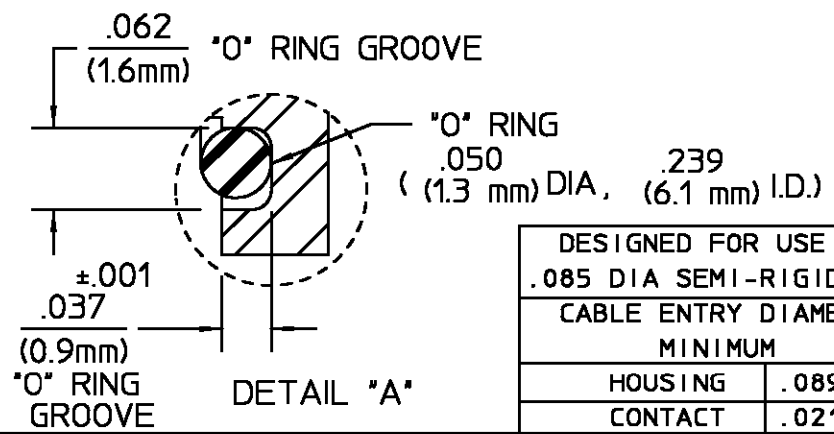


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
020	RELEASED	4/26/93	MM 4/28/93



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

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

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		
COMPONENT	MATERIAL	FINISH		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1°		AMP Incorporated  140 Fourth Avenue Waltham, MA 02451-7599		
DRAWN BY D.CAM DATE 7/10/92				
CHECKED BY				
APPD BY T.DOWNS 10/12/92		AMP		
USE ASS'Y PROCEDURE				
NO. AP. 45-144 408-04609				
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.		TITLE OSP BULKHEAD FEEDTHROUGH CABLE PLUG DIRECT SOLDER ATTACHMENT		
SIZE B		CODE IDENT NO. 26805	4503-5058-24	REV 020
SCALE 5:1		SHEET 1 OF 1		

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