



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
--	UPDATED	6/3/93	<i>BB</i>
B	PER EC 0U20-0116-01-02	01NOV01	<i>C. Hoang</i>

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50 ±1</u>	Interface Dimensions <u>See Catalogue</u>	Temperature Rating <u>-55° to +125°C</u>
Frequency Range (GHz) DC to <u>50</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D, 20Gs
Volt Rating (VRMS MAX) @ Sea Level <u>N/A</u>	Insertion (MAX Lbs) <u>2</u>	Shock MIL-STD-202, Method 213, Condition I, 100Gs
VSWR DC to 18 GHz : <u>1.11MAX</u>	Withdrawal (MIN Oz) <u>1</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
<u>18 to 26.5 GHz : 1.13MAX</u>	Force to Engage (In/Lbs MAX) <u>2</u>	Moisture Resistance MIL-STD-202, Method 106
<u>26.5 to 50 GHz : 1.29MAX</u>	Center Contact Captivation	Corrosion - MIL-STD-202, Method 101, Condition B
Insertion Loss (dB MAX) <u>.07x√f(GHZ)</u>	Axial (Lbs) <u>4</u>	
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(90-f(GHZ))</u>		
Corona, 70,000 Ft (VRMS MIN) <u>150</u>		
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>500</u>		
Contact Resistance (Milliohms MAX) Center Contact <u>4.0</u>		
Outer Contact <u>4.0</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>600</u>		
IR.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING BUSHING 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	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B196, ALLOY C17300, CONDITION H	N/A
GASKET	SILICON RUBBER PER ZZ-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DATE <u>02-26-87</u>	AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
TOLERANCE ON	CHECKED BY <u>DAC</u> 05-11-89		
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	APPROD BY <u>S.M.</u> 05-11-89		
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 OS-50 PLUG TO PLUG ADAPTER	
NO. AP. <u>N/A</u>	NO. AP. <u>N/A</u>	SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>
		SCALE <u>5:1</u>	8581-0000-02
			REV <u>020</u>
			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1063387-1
SHEET 1 OF 1 REV B