



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
--	UPDATED	6/3/93	<i>[Signature]</i> 6/14/93
B	PER EC 0U20-0116-01-02	01NOV01	<i>[Signature]</i> 01NOV01

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>	<b>AMP</b> AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
TOLERANCE ON	CHECKED BY <u>DAC</u> 05-11-89		
FRAC. DEC. ANGLES	APPRD BY <u>S.M.</u> 05-11-89		
± 1/64 ±.005 ± °	USE ASS'Y PROCEDURE	TITLE OS-50 PLUG TO PLUG ADAPTER	
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		SCALE <u>5:1</u>	8581-0000-02
			REV <u>02</u>
			SHEET 1 OF 1

CUSTOMER DRAWING

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