



DESIGNED FOR USE WITH .085 SEMI-RIGID CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.089
CONTACT	.022

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
03 <sub>2</sub>	REVISED, ECN 95-0127-4	3/29/95	<i>M.A.</i>

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 310.1	Temperature Rating <u>-65°C to +165°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Torque <u>7 - 10 in-lbs</u>	Shock MIL-STD-202, Method 213, Condition I.
VSWR <u>1.07 + .01 f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Except High Temp <u>+115°C</u>
RF Leakage (dB MIN) <u>-90 @ 2-3 GHz</u>	Withdrawal (MIN Oz) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</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 MIN) <u>30</u>	
RF High Potential @ Sea Level	Torque (In-Oz) <u>16</u>	
(VRMS MIN @ 5 MHz) <u>670</u>	Weight (Grams) <u>TBD</u>	
LR.(Megohms MIN) <u>5,000</u>		

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY <b>ED HOYLE</b>	DATE <b>2/12/86</b>	<b>AMP Incorporated</b> 140 Fourth Avenue Waltham, MA 02451-7599	
TOLERANCE ON	CHECKED BY <b>S. IRONS</b>	DATE <b>2-27-86</b>		
FRAC. DEC. ANGLES	APPD BY <b>S. IRONS</b>	DATE <b>2-27-86</b>		
± 1/64 ±.005 ± °	USE ASS'Y PROCEDURE		TITLE <b>OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT</b>	
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			<b>2001-5431-02</b>	REV <b>03<sub>2</sub></b>
			SCALE <b>8 : 1</b>	SHEET <b>1 OF 1</b>

.XXX = in  
XX.X = mm

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