



DESIGNED FOR USE WITH	.141 DIA S.R. CABLE
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.039
HOUSING	.144

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₂	SEE ECN 80-0084	PG 1-29-80	TS 1/29/80
01 ₃	MINOR CHANGE PER ECN 85-0340	JMP 5-7-85	R.S. 5-7-85
01 ₄	REDRAWN ON CAD PER ECN 88-0678	BB 9-3-91	R.G. 7/23/93

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. <u>310.1</u>	Temperature Rating <u>-65°C to 125°C</u>
Frequency Range (GHz) <u>DC to 18.0</u>	Recommended Mating Torque <u>7 to 10 in-LBs</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05 + .008f(GHz)</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp <u>115°C</u>
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-(90-f(GHz))</u>	Center Contact Captivation Axial (Lbs) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Radial (In/Oz) <u>N/A</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>	Cable Retention Axial Force (Lbs) <u>60</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u>	Torque (In/Oz) <u>55</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u>		
I.R.(Megohms MIN) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING MOUNTING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, 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 TOLERANCE ON	DRAWN BY	DATE	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	JPD	7/31/76	
FRAC. DEC. ANGLES	CHECKED BY		TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT
± 1/64 ±.005 ± °	RNF	9/7/76	
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	RNF	9/13/76	B
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			26805
			2001-5003-00
			REV
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			SCALE
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			SHEET 1 OF 1