



DESIGNED FOR USE WITH .085 S.R.(RG 405/U)	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.088
CONTACT	.021

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
03 ₀	ECN 92-0643-3	2/4/93	DCM 2/5/93

- NOTES:
1. PICTORIAL VIEW IS AFTER CRIMPING
 2. MIN STRAIGHT CABLE LENGTH: .175
 3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING

	DIM "A"	DIM "B"
BEFORE CRIMPING	.335 ± .020 (8.5 mm)	.317 REF (8.1 mm)
AFTER CRIMPING	.335 ± .020 (8.5 mm)	.230 REF (5.8 mm)

HOUSING COUPLING NUT BUSHING	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 NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348</u>	Temperature Rating <u>-65° to +105°C</u>
Frequency Range (GHz) <u>DC to 18</u>	Recommended Mating Torque (In/Lbs) <u>7-10</u>	Vibration <u>MIL-STD-202, Method 204, Condition D</u>
Volt Rating (VRMS MAX) @ Sea Level <u>375</u>	Center Contact Captivation Axial (Lbs) <u>6</u>	Shock <u>MIL-STD-202, Method 213, Condition I</u>
VSWR <u>1.05+0.005f(GHz)</u>	Radial (In/Oz) <u>NONE</u>	Thermal Shock <u>MIL-STD-202, Method 102, Condition C</u>
Insertion Loss (dB MAX) <u>.03x √ f(GHz)</u>	Cable Retention Axial Force (Lbs) <u>30</u>	Moisture Resistance <u>MIL-STD-202, Method 106</u>
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(100-f(GHz))</u>	Torque (In/Oz) <u>16</u>	Corrosion - <u>MIL-STD-202, Method 101, Condition B</u>
Corona, 70,000 Ft (VRMS MIN) <u>335</u>	Weight (Grams) <u>2.1</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>		
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u>		
Outer Contact <u>2.0</u>		
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>		
IR.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ± .005 ± °	DRAWN BY <u>D.CAM</u> DATE <u>12-10-85</u> CHECKED BY <u>RG</u> 3-27-86 APPD BY <u>RG</u> 3-27-86	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
USE ASS'Y PROCEDURE 408-04697 NO. AP. (20-322)	TITLE <u>OSM LOW PROFILE STRAIGHT CABLE PLUG COMPRESSION CRIMP ATTACHMENT</u>	
SCALE <u>8:1</u>	SIZE <u>B</u> CODE IDENT NO. <u>26805</u> 2001-5443-02	REV <u>03₀</u>
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