



DESIGNED FOR USE WITH	.141 SEMI-RIGID CABLE
CABLE ENTRY DIAMETER	MINIMUM
CONTACT	.037
HOUSING	.145

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 <sub>1</sub>	REVISED	03/22/95	<i>AD</i>

COMPONENT	MATERIAL	FINISH
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	TFE 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

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 +165°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating Torque <u>7-10 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>3.0</u>	Shock MIL-STD-202, Method 213, Condition I.
VSWR <u>1.05 + .005f</u> (GHz)	Withdrawal (MIN Oz) <u>1.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) <u>.03</u> $\sqrt{f}$ (GHz)	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Except High Temp <u>+115°C</u>
RF Leakage (dB MIN) <u>-90</u> @ 2-3GHz	Center Contact Captivation Axial (Lbs) <u>6.0</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Radial (In-Oz) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u>	Cable Retention Axial Force (Lbs MIN) <u>60.0</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u>	Torque (In-Oz) <u>55.0</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>TBD</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u>		
I.R.(Megohms MIN) <u>5,000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRAC. ± 1/64	DEC. ±.005	ANGLES ± 1°
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USE ASS'Y PROCEDURE

NO. AP. 408-04943 (20-321)

DRAWN BY E. HOYLE DATE 8/9/85

CHECKED BY R. GIERAS DATE 8/13/85

APPD BY R. GIERAS DATE 8/13/85

AMP Incorporated  
140 Fourth Avenue  
Waltham, MA 02451-7599

TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT

SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	2001-5397-02	REV <u>02<sub>1</sub></u>
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SCALE 10 : 1 .141 S/R SHEET 1 OF 1

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