



DESIGNED FOR USE WITH	.141 S.R.
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.143
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	10/14/96	[Signature]

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>12.4</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>1.10 +0.01 f(GHz)</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +115°C
Insertion Loss (dB MAX) <u>.05 x√ 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 @ 2 to 3 GHz</u>	Center Contact Captivation Axial (Lbs) <u>6.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Cable Retention Axial Force (LXs) <u>60</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,500</u>	Torque (In-Oz) <u>55</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>4.0</u>	Weight (Grams) <u>TBD</u>	
Outer Contact <u>2.0</u>		
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u>		
IR.(Megohms MIN) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING EXTRA HOUSING CAP	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 QQ-P-35
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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

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

NO. AP. 408-04916 (20-548)

DRAWN BY [Signature] DATE 9/3/96

CHECKED BY [Signature]

APPD BY [Signature] DATE 10/14/96

AMP Incorporated
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Waltham, MA 02451-7599

TITLE "OSM" RIGHT ANGLE CABLE PLUG
DIRECT SOLDER ATTACHMENT
M39012/80B3002 CAT B

SIZE B	CODE IDENT NO. 26805	2007-8002-92	REV 010
SCALE 5:1	SHEET 1 OF 1		