



DESIGNED FOR USE WITH .085 S.R.	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.088
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 <sub>1</sub>	REVISED	9/20/86	[Signature]

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>12.4</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Torque <u>7 to 10 In-Lbs</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.10 +0.01 f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) <u>.05 x√ f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Except High Temp <u>+115°C</u>
RF Leakage (dB MIN) <u>-90 @ 2 to 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>4.0</u>	Radial (In-Oz) <u>4.0</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (LXs) <u>30</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Torque (In-Oz) <u>16</u>	
IR.(Megohms MIN) <u>5,000</u>	Weight (Grams) <u>TBD</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		DRAWN BY DC DATE 10/21/82		 AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. ± 1/64	DEC. ±.005	ANGLES ± 1°	CHECKED BY RMF DATE 10/22/82	
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USE ASS'Y PROCEDURE		NO. AP. <u>408-04917</u> <u>(20-547)</u>		TITLE "OSM" RIGHT ANGLE CABLE PLUG DIRECT SOLDER ATTACHMENT M39012/80-3001 CAT B
SIZE B	CODE IDENT NO. 26805	2007-8001-92	REV 01 <sub>1</sub>	SCALE 5:1
SHEET 1 OF 1				