



DESIGNED FOR USE WITH RG-174/U & 316 CABLES	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.066
CONTACT SLOT	.040

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₁	REVISED	DAC 6/15/99	DCam 6/16/99

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 ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16 HALF HARD	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
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

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</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Torque <u>7 to 10 In-Lbs</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.15 +0.03 (f)GHz</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp Shall Be +85°C
Insertion Loss (dB MAX) <u>.15√(f)GHz</u>	Insertion (MAX Lbs) <u>3.0</u>	Moisture Resistance MIL-STD-202, Method 106, No Measurement at High Humidity
RF Leakage (dB MIN) <u>-60 @ 2-3 GHz</u>	Withdrawal (MIN Oz) <u>1.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	
Center Contact <u>4.0</u>	Radial (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (Lbs) <u>20.0</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>	Torque (In-Oz) <u>N/A</u>	
LR.(Megohms MIN) <u>5000</u>	Weight (Grams) <u>TBD</u>	

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON		
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °		
DRAWN BY <i>NGB</i> DATE 11/22/91		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
CHECKED BY <i>M.M.</i> 11/27/91		
APPD BY <i>NGB</i> 11/25/91		
USE ASS'Y PROCEDURE 408-04931 NO. AP. (20-519)		TITLE OSM RIGHT ANGLE CABLE PLUG - SOLDER ATTACHMENT M39012/56-3107 CAT A
SIZE B	CODE IDENT NO. 26805	2037-8107-92
SCALE 4:1	REV 01 ₁	
		SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1052181-1
SHEET 1 OF 1 REV A