



DESIGNED FOR USE WITH RG174, 179, 187, 188 & 316	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.067
SLEEVE	.110
CONTACT	.025

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₂	REDRAWN ON CAD ECN 94-0561	1/4/95	<i>[Signature]</i> 1/5/95

COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATED PER ASTM-A380
HOUSING CAP	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 QQ-C-530, ASTM B196, B197	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER QQ-C-530, ASTM B196, B197	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
FERRULE	SOFT COPPER ALLOY	GOLD PLATE PER MIL-G-45204
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348, Fig. 319.1	Temperature Rating <u>-65°C to +165°C</u>
Frequency Range (GHz) <u>DC to 26.0</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Torque (In/Lbs) <u>5</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.10 +.015(f/GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
Insertion Loss (dB MAX) <u>.04√ f(GHz)</u>	Center Contact Captivation	Moisture Resistance MIL-STD-202, Method 106,
RF Leakage (dB MIN) <u>-60 @ 2-3 GHz</u>	Axial (Lbs) <u>4.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Radial (In/Oz) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Cable Retention	
Contact Resistance (Milliohms MAX)	Axial Force (Lbs) <u>20</u>	
Center Contact <u>4.0</u>	Torque (InOz) <u>16</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>2.3</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>		
LR.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON		
FRAC	DEC	ANGLES
± 1/64	±.005	± 1°
DRAWN BY <u>RMK</u> DATE <u>1/13/72</u>		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
CHECKED BY <u>PRB</u> DATE <u>1/27/72</u>		
APPD BY <u>BWC</u> DATE <u>1/27/72</u>		
USE ASS'Y PROCEDURE		TITLE <u>OSSM RIGHT ANGLE CABLE PLUG-SOLDER ATTACHMENT</u>
NO. AP. <u>408-04798 (10-014)</u>		SIZE <u>B</u> CODE IDENT NO. <u>26805</u> 1037-5002-02 REV <u>01₂</u>
SCALE <u>4:1</u>		SHEET 1 OF 1