



DESIGNED FOR USE WITH RG-108/U FLEX CABLE	REVISIONS
CABLE ENTRY DIAMETER MINIMUM	REV 020 ECN 92-0648
FERRULE	.125
CONTACT	.025
HOUSING	.066

REV	DESCRIPTION	DATE	APPROVED
020	ECN 92-0648	1/11/93	<i>BB</i>

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	Temperature Rating -65°C to +125°C
Frequency Range (GHz) DC 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Torque 7-10 in-Lbs	Shock MIL-STD-202, Method 213, Condition I
Sea Level 250	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
VSWR 1.15±.02f(GHz)	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106, No Measurements at High Humidity
Insertion Loss (dB MAX) .07V f(GHz)	Withdrawal (MIN Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
RF Leakage (dB MIN) -(60-f(GHz))	Force to Engage and	
Carona, 70,000 Ft (VRMS MIN) 190	Disengage (In-Lbs MAX) 2.0	
Dielectric Withstanding Voltage	Center Contact Captivation	
(VRMS MIN) Sea Level 750	Axial (Lbs) 6.0	
Contact Resistance (Milliohms MAX)	Radial (In-Oz) 4.0	
Center Contact 3.0	Cable Retention	
Outer Contact 2.0	Axial Force (Lbs) 20 Min	
Cable to Housing .05	Torque (In-Oz) N/A	
RF High Potential Sea Level	Weight (Grams) TBD	
(VRMS MIN @ 5 MHz) 500		
IR.(Megohms MIN) 10000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC DEC ANGLES ±.164 ±.005 ±.1°	DRAWN BY BN DATE 2/13/68 CHECKED BY PRB 2/16/68 APP'D BY D.NANIA 2/29/68	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
USE ASSY PROCEDURE 408-04815 NO. A.P. (20-046)	TITLE OSM RIGHT ANGLE CABLE PLUG - SOLDER ATTACHMENT	SIZE B CODE IDENT NO. 2037-5006-00 REV 020 SCALE 3:1 SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1052066-1
SHEET 1 OF 1 REV A