



DESIGNED FOR USE WITH RG-142/U CABLE	REVISIONS
CABLE ENTRY DIAMETER MINIMUM	REV DESCRIPTION DATE APPROVED
HOUSING	02 ₃ REDRAWN ON CAD ECN92-0009 8/5/93 <i>[Signature]</i>
CONTACT	
FERRULE	

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	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 -62°C to +165°C
Frequency Range (GHz) DC to 12.4	Recommended Mating Torque 7 to 10 in-lbs	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) Sea Level 335	Mating Characteristics: Insertion (MAX Lbs) N/A Withdrawal (MIN Oz) N/A	Shock MIL-STD-202, Method 213, Cond 1
VSWR 1.15 +.01 fGHz	Force to Engage and Disengage (in-Lbs MAX) 2.0	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) .06 √fGHz	Center Contact Cavitation Axial (Lbs) N/A Radial (in-Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[60-fGHz]	Cable to Housing Retention (lbs MIN) 40	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000FT (VRMS MIN) 250	Weight (Grams) TBD	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000		
Contact Resistance (Milliohms MAX) Center Contact 2.0 Outer Contact 2.0 Cable to Housing 0.5		
RF High Potential Sea Level (VRMS MIN) 5 MHz 670		
IR (Megohms MIN) 10,000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY BWC DATE 4/29/68 CHECKED BY PRB 4/30/68 APP'D BY WCS 4/31/68	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
USE ASSY PROCEDURE 408-04821 NO. AP. (20-039)	TITLE OSM STRAIGHT CABLE PLUG SOLDER ATTACHMENT	SIZE B CODE IDENT. NO. 26805 SCALE 4 : 1
	REV 02 ₃	SHEET 1 OF 1

CUSTOMER DRAWING AMP PART # 1051638-1 SHEET 1 OF 1 REV A