



DESIGNED FOR USE WITH RG-142/U CABLE	REVISIONS
CABLE ENTRY DIAMETER MINIMUM	REV
HOUSING	DESCRIPTION
CONTACT	DATE
FERRULE	APPROVED

03 <sub>2</sub>	REDRAWN ON CAD ECN 92-0009	5/11/94	<i>BB</i>
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HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-	PASSIVATE PER ASTM-A380
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
COMPONENT	MATERIAL	FINISH

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:	Shock MIL-STD-202, Method 213, Cond I
VSWR 1.15 +.01 f(GHz)	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) .06 √f(GHz)	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[60-f(GHz)]	Force to Engage and Dieengage (in-Lbs MAX) 2.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000FT (VRMS MIN) 250	Center Contact Captivation Axial (Lbs) N/A	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000	Radial (in-Oz) N/A	
Contact Resistance (Milliohms MAX)	Cable to Housing Retention (lbs MIN) 45	
Center Contact 2.0	Weight (Grams) TBD	
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	DRAWN BY E.J.C. DATE 2/21/68	AMP Incorporated
TOLERANCE ON	CHECKED BY PRB DATE 2/22/68	140 Fourth Avenue
FRAC. DEC. ANGLES	APPROVED BY D. NANIA DATE 2/23/68	Waltham, MA 02451-7599
+ 1/64 ±.005 ± °	USE ASSY PROCEDURE	
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	SIZE B	CODE IDENT. NO. 2031-5005-02
	SCALE 4 : 1	REV 03 <sub>2</sub>
		SHEET 1 OF 1

CUSTOMER DRAWING AMP PART # 1051651-1 SHEET 1 OF 1 REV A