



DESIGNED FOR USE WITH		REVISIONS		
REV	DESCRIPTION	DATE	APPROVED	
01	2	5/23/95	<i>[Signature]</i>	
RG142/U FLEXIBLE CABLE CABLE ENTRY DIAMETER MINIMUM		REDRAWN ON CAD PER ECN 94-0474		
CONTACT	.042			
DIELECTRIC	.122			
COLLAR	.122			
CLAMP NUT	.220			

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT	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 ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
COLLAR	BRASS PER QQ-B-626 COMP. 360, 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

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	Temperature Rating -65°C To +165°C
Frequency Range (GHz) DC to 12.4	Recommended Mating Torque 7-10 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 ML-STD-202, Method 21B, Condition I
VSWR 1.15 + .01(GHz)	Force to Engage and Disengage (In-Lbs MAX) 2	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) .06 √f GHz	Center Contact Captivation Axial (Lbs) 6 Min	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -[60-f(GHz)]	Radial (In-Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250	Cable Retention Axial Force (Lbs) 45 MIN	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000	Torque (In-Oz) N/A	
Contact Resistance (Milliohms MAX) Center Contact 3.0	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) 5,000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY BWC DATE 6-2-67 CHECKED BY EJD 8/9/67 APP'D BY DJ 8/10/67	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
USE ASSY PROCEDURE 408-04906 NO. AP. (20-075)	TITLE OSM STRAIGHT CABLE PLUG CLAMP ATTACHMENT	
	SIZE B	CODE IDENT NO. 26805
	SCALE 5:1	2001-7141-00
		REV 01

CUSTOMER DRAWING AMP PART # 1050717-1  
SHEET 1 OF 1 REV A