



DESIGNED FOR USE WITH RG-303/U CABLE	
CABLE ENTRY DIAMETER MINIMUM	01 <sub>0</sub>
SLEEVE	.203
HOUSING	.122
CONTACT	.041 SLOT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 <sub>0</sub>	RELEASED	4/14/99	<i>[Signature]</i>

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348, Fig. 310.1</u>	Temperature Rating <u>-65°C to 125°C</u>
Frequency Range (GHz) Max operating frequency of cable per <u>MIL-C-17</u>	Recommended Mating Torque <u>7 to 10 Inch-Pounds</u>	Vibration <u>MIL-STD-202, Method 204, Cond. D</u>
Voltage Rating (VRMS MIN) <u>335 @ Sea Level</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u> Withdrawal (MIN Oz) <u>N/A</u>	Shock <u>MIL-STD-202, Method 213, Cond. I</u>
VSWR <u>1.15+0.02f(GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Thermal shock <u>MIL-STD-202 Method 107, Cond. B except High Temp shall be 115°C</u>
Insertion Loss(dB MAX) <u>.07√f(GHz)</u>	Center Contact Captivation: Axial (Lbs) <u>6.0</u> Radial (Inch-Ounces) <u>4.0</u>	Moisture Resistance <u>MIL-STD-202, Method 106, except step 7b (vibration) shall be omitted</u>
Rf Leakage (dB MIN) <u>-[60-f(GHz)]</u>	Cable Retention Axial (Lbs) <u>40 Min(45 Min when used with double braid cable)</u> Torque (Inch Ounces) <u>N/A</u>	Corrosion <u>MIL-STD-202, Method 101, Cond. B, 5% salt spray</u>
Corona, 70,000 Ft (VRMS MIN) <u>250 D.W.V.</u>	Weight (Grams) <u>4.8</u>	
Contact Resistance Center Contact (Milliohms MAX) <u>3.0</u> Outer Contact (Milliohms MAX) <u>2.0</u> Cable To Hsg. (Milliohms MAX) <u>0.5</u>	Hermetic Seal <u>N/A</u>	
RF High Potential (VRMS MIN @ 5 MHz) <u>670 @ Sea Level</u>		
I.R. (Megohms Min) <u>10,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	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
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F55 MAXIMUM	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY PATLAN	DATE 9-28-98			AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
	CHECKED BY	APPROD BY <i>[Signature]</i>			4/14/99	TITLE OSM RIGHT ANGLE CABLE PLUG - CRIMP ATTACHMENT M39012/56-3024 CAT B
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	SCALE 5:1			SHEET 1 OF 1		

CUSTOMER DRAWING

AMP PART # 1052170-1  
SHEET 1 OF 1 REV A