



DESIGNED FOR USE WITH	
RG-142/U	
CABLE ENTRY DIAMETER MINIMUM	
FERRULE	Ø.219
CONTACT	.043 SLOT
HOUSING	.183

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	RELEASED	6/17/99	<i>[Signature]</i>

NOTES:
1. CAPTURED CENTER CONTACT

COMPONENT	MATERIAL	FINISH
COUPLING NUT HOUSING	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 F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions	Temperature Rating
Frequency Range (GHz)	MIL-STD-346A Fig.310.1	-65°C - +165°C
DC - 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) 335	Torque 7-10 IN-Lbs	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15 ±.02(1 GHz)	Mating Characteristics:	Thermal Cycling MIL-STD-202, Method 107, Condition B Except High Temp Shall Be 85°C (High Temp Shall Be 200°C When Used With 200°C Cables Per MIL-C-171)
Insertion Loss (dB MAX) .15 √ GHz	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB) -60	Withdrawal (MIN Oz) N/A	Corrosion MIL-STD-202, Method 101, Condition B
Corona, 70 Ft (VRMS MIN) 250	Connector Engagement and Disengagement (In-Lbs MAX) 2.0	
Dielectric Withstanding Voltage (VRMS MIN) 1,000	Center Contact Captivation:	
Contact Resistance (Milliohms MAX)	Axial 6.0	
Center Contact 3.0	Radial N/A	
Outer Contact 2.0	Cable Retention	
Cable To Housing 0.5	Axial Lbs 40 Min	
RF High Potential (VRMS MIN @ 5 MHz) 670	Torque N/A	
I.R. (Megohms) 5,000	Weight (Grams) 5.0	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY DM	DATE 4-30-99	AMP Incorporated	
FRAC ± 1/64	CHECKED BY <i>[Signature]</i>	APPRO BY <i>[Signature]</i> 6/17/99	140 Fourth Avenue Waltham, MA 02451-7599	
DEC ± .005	USE ASSY PROCEDURE		TITLE OSM RIGHT ANGLE CABLE PLUG CRIMP ATTACHMENT M39012/56B-3115 CAT. B	
ANGLES ± 1°	NO. AP. 20-520	SCALE 5:1	SIZE B	CODE IDENT NO. 26805
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