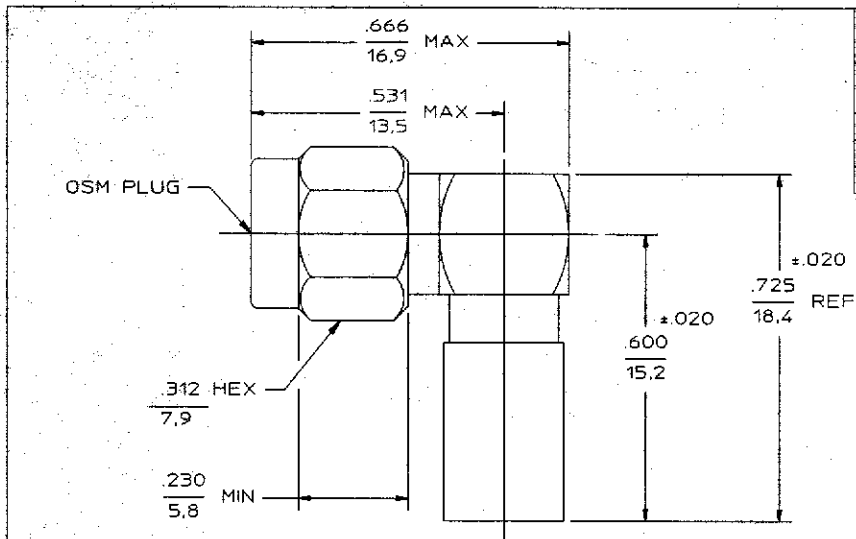




DESIGNED FOR USE WITH	
RG-142/U	
CABLE ENTRY DIAMETER MINIMUM	
FERRULE	.0219
CONTACT	.043 SLOT
HOUSING	.183

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	RELEASED	6/17/99	<i>RAC</i>

NOTES:
1. CAPTURED CENTER CONTACT

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
Insertion Loss (dB MAX) .15 $\sqrt{\text{GHz}}$	Insertion (MAX Lbs) N/A	High Temp Shall Be 85°C (High)
RF Leakage (dB) -60	Withdrawal (MIN Oz) N/A	Temp Shall Be 200°C When Used
Corona, 70 Ft (VRMS MIN) 250	Connector Engagement and Disengagement (In-Lbs MAX) 2.0	With 200°C Cables Per MIL-C-171
Dielectric Withstanding Voltage (VRMS MIN) 1,000	Center Contact Captivation:	Moisture Resistance MIL-STD-202, Method 106
Contact Resistance (Milliohms MAX)	Axial 6.0	Corrosion MIL-STD-202, Method 101, Condition B
Center Contact 3.0	Radial N/A	
Outer Contact 2.0	Cable Retention	
Cable To Housing	Axial Lbs 40 Min	
0.5	Torque N/A	
RF High Potential	Weight (Grams) 5.0	
(VRMS MIN @ 5 MHz) 670		
I.R. (Megohms) 5,000		

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
COMPONENT	MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY DM	DATE 4-30-99	AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	CHECKED BY		
	APPRO BY <i>RAC</i>	6/17/99	
FRAC DEC ANGLES 1/64 .005 1°			

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NO. AP. 20-520					SIZE B	CODE IDENT NO. 26805	2037-8115-92	REV 01
					SCALE 5:1			SHEET 1 OF 1

Customer 1052190 Rev 0
Sheet 1 of 1

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