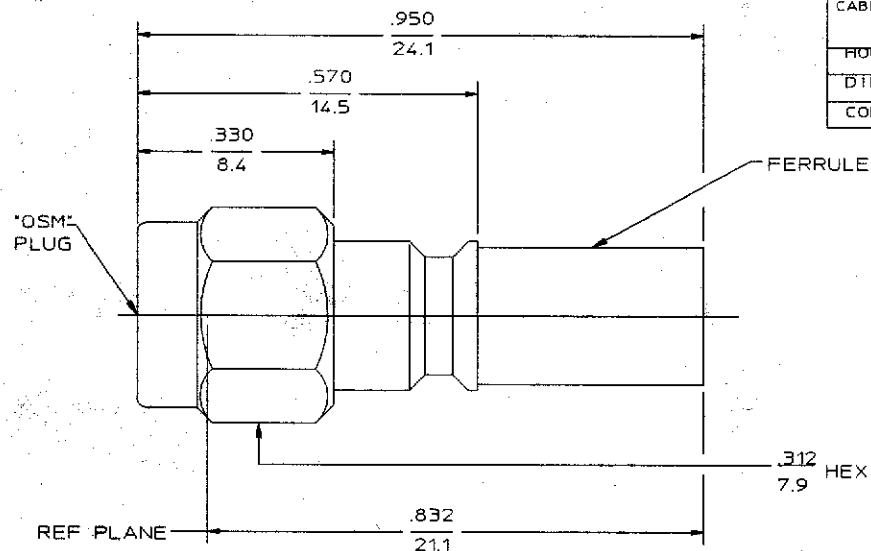


DESIGNED FOR USE WITH RG-142/U	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.121
DIELECTRIC	.052
CONTACT	.040

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	RELEASED	11/6/96	<i>RAC</i>



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310-1	Temperature Rating -65 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:	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15 + 0.01f(GHz)	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
Insertion Loss (dB MAX) .06/√GHz	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -60	Force to Engage and Disengage (In-Lbs MAX) 2	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Carona, 70,000 Ft (VRMS MIN) 250	Center Contact Capitation Axial (Lbs) 6	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000	Radial (In-Oz) N/A	
Contact Resistance (Milliohms MAX)	Cable Retention Axial Force (Lbs) 45	
Center Contact 3.0	Torque (In-Oz) N/A	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing 0.5		
RF High Potential Sea Level (VRMS MIN @ 5 MHz) 670		
IR (Megohms MIN) 5,000		

HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE 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		
FRAC 1/64	DEC .005	ANGLES 1°
DRAWN BY K. L. E.	DATE 9-13-96	
CHECKED BY		
APPRO BY <i>RAC</i>	DATE 11/6/96	
USE ASSY PROCEDURE		
NO. AP. 20-513		
 M/A-COM, Inc. Waltham, MA 02254		
TITLE "OSM" STRAIGHT CABLE PLUG-CRIMP ATTACHMENT		
SIZE B	CODE IDENT NO. 26805	2031-8115-92
SCALE 5:1		REV 01
SHEET 1 OF 1		

Customer 1051800 Rev 0
Sheet 1 of 1