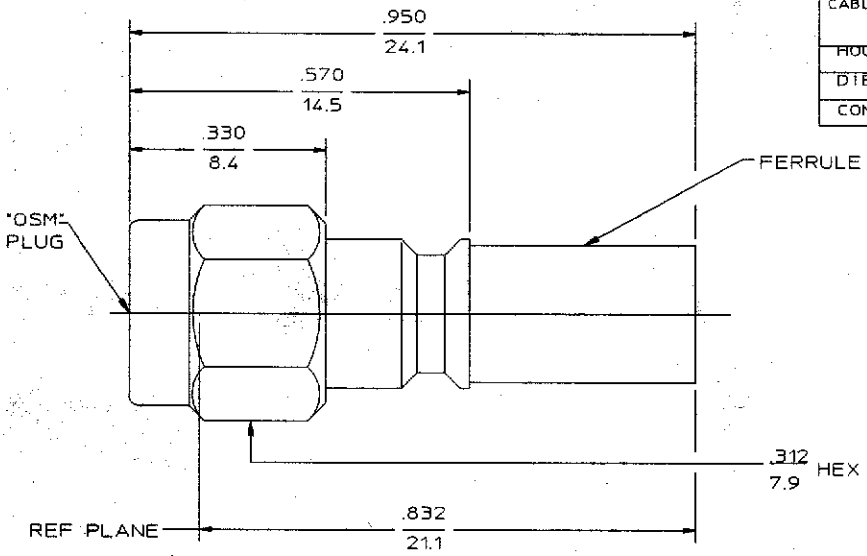


DESIGNED FOR USE WITH RG-142/U	
CABLE ENTRY DIAMETER MINIMUM	01 <sub>0</sub>
HOUSING	.121
DIELECTRIC	.052
CONTACT	.040


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 <sub>0</sub>	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: Insertion (MAX Lbs): N/A	Shock MIL-STD-202, Method 213, Condition I
VSWR: 1.15 + 0.01f(GHz)	Withdrawal (MIN Oz): N/A	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX): .06 √f(GHz)	Force to Engage and Disengage (In-Lbs MAX): 2	Except High Temp +85°C
RF Leakage (dB MIN): -60	Center Contact Cavitation Axial (Lbs): 6	Moisture Resistance MIL-STD-202, Method 106
Corona: 70,000 Ft (VRMS MIN): 250	Radial (In-Oz): N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) Sea Level: 1,000	Cable Retention Axial Force (Lbs): 45	
Contact Resistance (Milliohms MAX) Center Contact: 3.0 Outer Contact: 2.0	Torque (In-Oz): N/A	
Cable to Housing: 0.5	Weight (Grams): TBD	
RF High Potential Sea Level (VRMS MIN @ 5 MHz): 670		
IR (Megohms MIN): 5,000		

COMPONENT	MATERIAL	FINISH
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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
FRAC	DEC	ANGLES
+ 1/64	+ .005	+ 1°
DRAWN BY: K. LE      DATE: 9-13-96		
CHECKED BY:		
APP'D 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	REV: 01 <sub>0</sub>
SCALE: 5:1	CODE IDENT NO.: 26805	2031-8115-92	
		SHEET 1 OF 1	

Customer 1051800 Rev 0  
Sheet 1 of 1