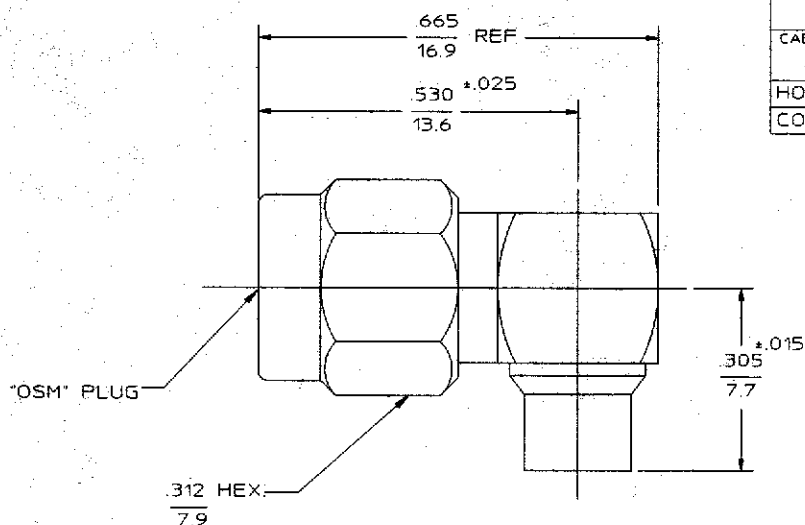


DESIGNED FOR USE WITH 141 S.R.	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.145
CONTACT	.037

REVISIONS		
REV	DESCRIPTION	DATE
01	REVISED	9/3/87



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310-1	Temperature Rating -65°C to 165°C
Frequency Range (GHz) DC to 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Torque 7 to 10 In-Lbs	Shock MIL-STD-202, Method 213, Condition I
Sea Level 500	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B
VSWR 1.10 +/- 0.01 (1GHz)	Insertion (MAX Lbs) N/A	Except High Temp +115°C
Insertion Loss (dB MAX) .05 x sqrt(F/GHz)	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -90 @ 2 to 3 GHz	Force to Engage and	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 375	Disengage (In-Lbs MAX) 2.0	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,500	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0	
Center Contact 4.0	Radial (In-Oz) 4.0	
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs) 30	
RF High Potential Sea Level (VRMS MIN @ 5 MHz) 1,000	Torque (In-Oz) 16	
I.R. (Megohms MIN) 5,000	Weight (Grams) TBD	

.XXX = in
XX.X = mm (REF)

HOUSING EXTRA HOUSING CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204
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
COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
FRAC.	DEC.	ANGLES
1/64	.005	1°
DRAWN BY 293787 CHECKED BY 2/26/87 APPROVED BY 3/3/87		
 M/A-COM, Inc. Waltham, MA 02254		
USE ASSY PROCEDURE NO. AP 20-548		
TITLE "OSM" RIGHT ANGLE CABLE PLUG DIRECT SOLDER ATTACHMENT M39012/80B3104 CAT B SIZE B CODE IDENT NO. 26805 2007-8104-92 REV 01 SCALE 5:1 SHEET 1 OF 1		

Customer 1051174 Rev 0
Sheet 1 of 1