



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	RELEASED	4/28/97	<i>RW</i>

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER 00-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

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz) DC to 18	
Volt Rating (VRMS MAX) @ Sea Level	335
VSWR 1.10 + .008(GHz) 0.5 TO 18 GHz	
Insertion Loss (dB MAX) .04 (GHz) 0.6 GHz	
RF Leakage (dB MIN) -60, MIN 0.2-3 GHz	
Corona, 70,000 Ft (VRMS MIN) 250	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level	1,500
Contact Resistance (Milliohms MAX)	
Center Contact	4.0
Outer Contact	2.0
Cable to Housing	N/A
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	
IR (Megohms MIN) 5,000	

MECHANICAL	
Interface Dimensions MIL-STD-376A, Fig. 310-1	
Recommended Mating Torque 7-10 IN-LBS	
Mating Characteristics	
Insertion (MAX Lbs) 3.0	
Withdrawal (MIN Oz) 1.0	
Force to Engage and Disengage (In-Lbs MAX) 2.0	
Center Contact Captivation	
Axial (Lbs) 6.0	
Radial (In-Oz) N/A	
Cable Retention	
Axial Force (Lbs) N/A	
Torque (In-Oz) N/A	
Weight (Grams) TBD	

ENVIRONMENTAL	
Temperature Rating -65 TO +165°C	
Vibration MIL-STD-202, Method 204, Condition D	
Shock MIL-STD-202, Method 213, Condition I	
Thermal Shock MIL-STD-202, Method 107, Condition C	
Moisture Resistance MIL-STD-202, Method 106	
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray	
.XXX = In XX.X = mm (REF)	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY K. LE 1-8-97
FRAC DEC ANGLES 1/64 .005 ° °	CHECKED BY
APPROVED BY <i>RW</i> 4/28/97	USE ASSY PROCEDURE
NO. AP N/A	

MACOM an AMP company		M/A-COM, Inc. Waltham, MA 02254	
TITLE "OSM" PLUG TO "OSM" PLUG ADAPTER M55339/29-30101			
SIZE B	CODE IDENT NO. 26805	2081-8101-92	REV 01
SCALE 5:1			SHEET 1 OF 1

CUSTOMER
Type PART # 1053767
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