



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₁	REVISED	8/14/97	C. Hoang
B	PER EC 0U20-0116-01-02	10/29/01	C. Hoang

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions Per <u>OSM - MIL-STD-348A FIG 310-1</u> <u>OSSP - M/A-COM CATALOG</u>	Temperature Rating <u>-65°C to +125°C</u>
Frequency Range (GHz) DC to <u>18.0</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Insertion <u>3.0</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05+0.010(fGHz)</u>	Withdrawal <u>1.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 85°C
Insertion Loss (dB MAX) <u>.06 √f(GHz)</u>	Recommended Mating Torque: <u>7-10 In-Lbs</u>	Moisture Resistance MIL-STD-202, Method 106 Shall Be Omitted
RF Leakage (dB MIN) <u>-(60-f(GHz))</u>	Force to Engage/Disengage <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Contact Retention	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Axial (Lbs) <u>6.0</u>	
Contact Resistance (Milliohms MAX)	Radial (In-Oz) <u>4.0</u>	
Center Contact <u>2.0</u>	Weight (Grams) <u>TBD</u>	
Outer Contact <u>2.0</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>		
I.R.(Megohms MIN) <u>5,000</u>		

HOUSING COUPLING NUT	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	BRASS PER ASTM-B-16, HALF HARD	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. ± 1/64	DEC. ± .005	ANGLES ± 1°
DRAWN BY FN	DATE 6/14/84	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
CHECKED BY PCV	7/20/84	
APPD BY PCV	7/20/84	
USE ASSY PROCEDURE	TITLE "OSSP" PLUG TO "OSM" PLUG ADAPTER	
NO. A.P. <u>N/A</u>	SIZE B	CODE IDENT NO. 4781-2241-02
	SCALE 8:1	REV 01 ₁
		SHEET 1 OF 1

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