



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	REVISED	5/28/97	S. Morby

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions	Temperature Rating -65° to +125°C
Frequency Range (GHz) DC to 6	SMA per MIL-STD-348A Fig. 310.1	Vibration - MIL-STD-202, Method 204, Condition B
Volt Rating (VRMS MAX) @ Sea Level 335	OSX per CECC 22 220 Fig. 1	Shock - MIL-STD-202, Method 213, Condition A
VSWR 1.25:1 Max @ 4 GHz	Recommended Mating Torque 7 - 10 in-lbs	Thermal Shock - MIL-STD-202, Method 107, Condition B, Except High Temp Shall Be Omitted
1.35:1 Max @ 6 GHz	Mating Characteristics:	Moisture Resistance - MIL-STD-202, Method 106
Insertion Loss (dB MAX) .1 dB/GHz	SMA Insertion N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 48 Hours
RF Leakage (dB MIN) 60 @ 1-3 GHz	Withdrawal N/A	
Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage/Disengage	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	SMA 2.0 in-lbs	
Contact Resistance (Milliohms MAX)	OSX 3.4 lbs Max / 1.77 lbs Min	
Center Contact 5.0	Contact Retention	
Outer Contact 2.0	Axial (Lbs) 6.0	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Radial (In-Oz) 4.0	
LR.(Megohms MIN) 10,000	Weight (Grams) TBD	

COMPONENT	MATERIAL	FINISH
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
HOUSING 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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN BY DBP DATE 7/5/90		AMP M/A-COM a Division of AMP Incorporated 140 Fourth Avenue Waltham, MA 02154-7577
FRAC. ± 1/64	DEC. ± .005	ANGLES ± 1°	CHECKED BY BS DATE 7/11/90		
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.XXX = in XX.X = mm (REF)			USE ASS'Y PROCEDURE	TITLE 'OSX' PLUG TO 'OSM' PLUG ADAPTER	
			NO. AP. N/A	SIZE B	CODE IDENT NO. 26805
				SCALE 8:1	5881-2241-00
					REV 01
					SHEET 1 OF 1