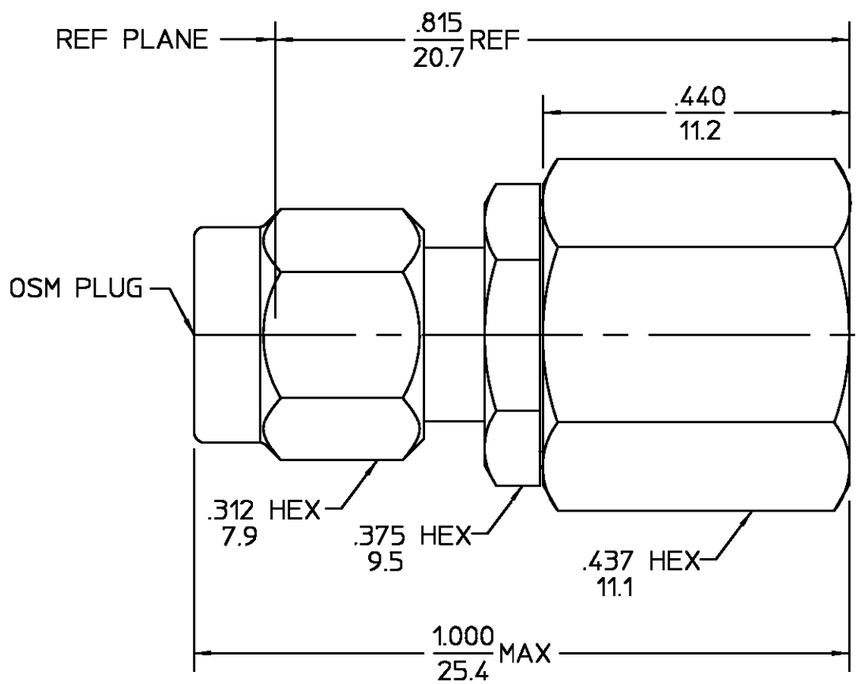

DESIGNED FOR USE WITH .250 DIA S.R. MP CABLE	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.076
HOUSING	.253
CLAMP NUT	.255

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
01_1	REVISED	DAC 6/15/99	DCom 6/16/99

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A	Temperature Rating -65°C to 105°C
Frequency Range (GHz) DC to 18.0	Fig. 310.1	Vibration MIL-STD-202, Method
Volt Rating (VRMS MAX)	Recommended Mating	204, Condition D
@ Sea Level 500	Torque 7 to 10 in-LBs	Shock MIL-STD-202, Method 213,
VSWR 1.07 + .007f(GHz)	Mating Characteristics:	Condition I
Insertion Loss (dB MAX) .03 $\sqrt{f(GHz)}$	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202,
RF Leakage (dB MIN) -[90-f(GHz)]	Withdrawal (MIN Oz) N/A	Method 107, Condition B,
Corona, 70,000 Ft (VRMS MIN) 375	Force to Engage and	Except High Temp 115°C
Dielectric Withstanding Voltage	Disengage (In-Lbs MAX) 2.0	Moisture Resistance MIL-STD-202,
(VRMS MIN) @ Sea Level 1500	Center Contact Captivation	Method 106
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0 MIN	Corrosion - MIL-STD-202, Method
Center Contact 3.0	Radial (In-Oz) N/A	101, Condition B, 5% salt spray
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs) 90 MIN	
RF High Potential @ Sea Level	Torque (In-Oz) N/A	
(VRMS MIN @ 5 MHz) 1000	Weight (Grams) T.B.D.	
I.R.(Megohms MIN) 5,000		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A-380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATE PER MIL-G-45204
BUSHING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET 'O' RING	SILICONE RUBBER PER ZZ-R-765	N/A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY BB DATE 9/23/91
CHECKED BY M.Y. 5/8/92
APP'D BY

AMP

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USE ASS'Y PROCEDURE

NO. A.P. 408-04825 (20-025)

TITLE
OSM STRAIGHT CABLE PLUG
COMPRESSION CLAMP ATTACHMENT

SIZE	CODE IDENT NO.		REV
B	26805	2001-7752-02	01_1
SCALE 5:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050750-1
SHEET 1 OF 1 REV A