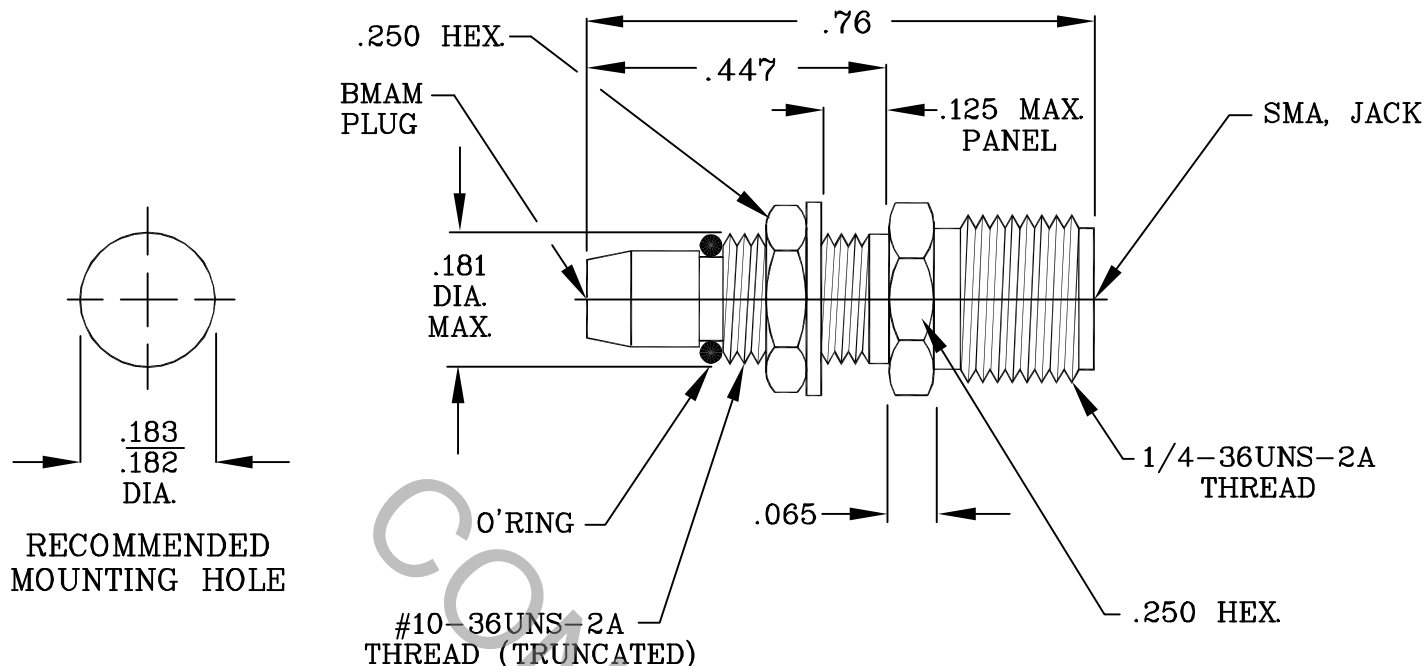


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 310-2 (SMA, JACK) AND DYNAWAVE DRAWING MD-26 (BMAM, PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX) *	_____	1.06 + .007 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.035 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	HAVERHILL, MA 01835
AA	04-1870	7/26/04	DC	DECIMALS FRACTIONAL ANGULAR .X ± .030 1/64 X ° ± 1 9' .XX ± .010 X ° X' ± 15' .XXX ± .005 SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.	
				DRAWN T.S. DATE 7/26/04	TITLE BMAM, PLUG TO SMA, JACK, ADAPTER BULKHEAD MOUNT
				APPROVED DC DATE 7/26/04	
				CODE IDENT. 2J899	DWG. NO. 1110-2699-6228
				SHEET 1 of 3	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) _____ 4.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMITE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

SMA AND DYNAMITE DURABILITY (MIN. MATING) _____ 1,000

SMA ENGAGEMENT FORCES (TORQUE) _____ 7 - 10 INCH LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° c)

SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

BODY, COIL SPRINGS, LOCKWASHER AND LOCK NUT _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY
UNS-C-17800, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM-D-1710

6. FINISH

BODY, COIL SPRINGS, LOCKWASHER AND LOCK NUT _____ PASSIVATE PER QQ-F-35A, TYPE II.

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5,
(.000100 MINIMUM THICKNESS) OVER NICKEL PER
QQ-N-290, (.000050 MINIMUM THICKNESS) OVER
COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

INSULATOR _____ N/A