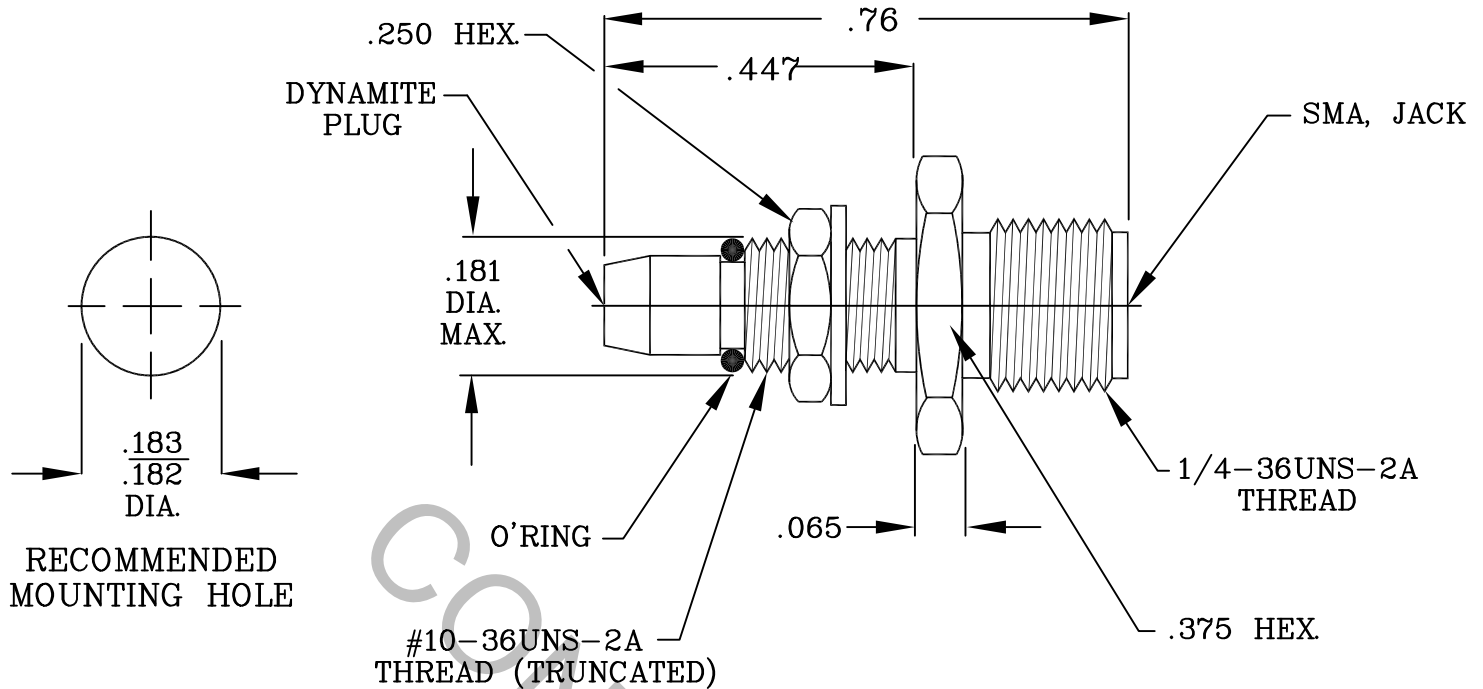


SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 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
				DECIMALS	FRACTIONAL	ANGULAR	
-	811	9/91	T.S.	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1' 0" X ° X' ± 15"	
AA	17-1141	1/27/17	T.S.	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	T.S.	DATE	TITLE DYNAMITE, PLUG TO SMA, JACK, ADAPTER BULKHEAD MOUNT
				APPROVED	DATE		
				CODE IDENT.	SHEET 1 of 2		
				2J899			DWG. NO. 1110-2699-6250

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 AMS-5640, TYPE 303, COND. A

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

INSULATOR _____ TEFLON PER D-1457

6. FINISH

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

CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2,
(.000100 MINIMUM THICKNESS) OVER NICKEL PER
QQ-N-290, CLASS 1 (.000100 MINIMUM THICKNESS) OVER
COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

INSULATOR _____ N/A