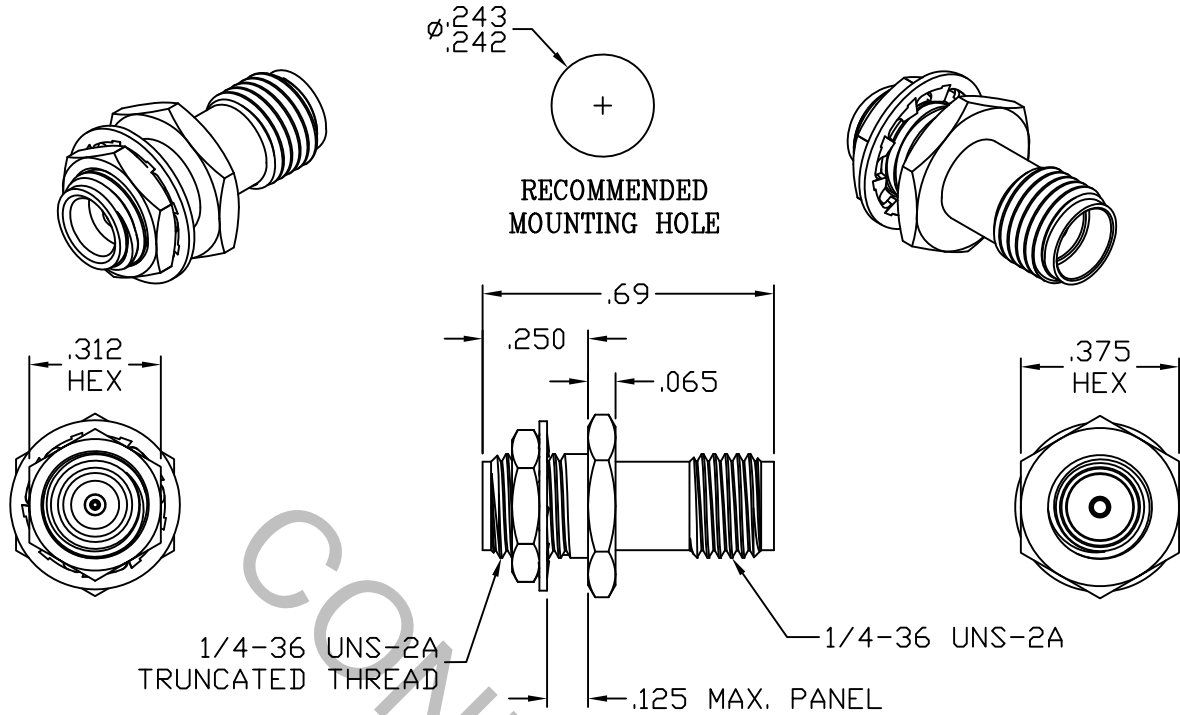


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 310-2 (SMA, JACK) AND DYNAWAVE DRAWING MD-27 (DYNAMITE, JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX) * (FULLY MATED)	_____	1.05 + .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)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X° +1 0' X° X' ± 15'	
-	811	9/91	T.S.				
AA	17-2333	11/22/17	DC	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	T.S.	DATE	TITLE DYNAMITE, JACK TO SMA, JACK, BULKHEAD ADAPTER
				APPROVED	DGG	DATE	
						9/91	
				CODE IDENT.			DWG. NO. 1110-2799-6250
				2J899	SHEET	1 of 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMITE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 4.0

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 + 165 °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 & HEX NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

LOCKWASHER _____ STAINLESS STEEL PER ASTM-A-276, TYPE 410, GRADE B6

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY NO. UNS C17300

INSULATOR _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B

HOOD _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

6. FINISH

BODY, COIL SPRINGS, LOCKWASHER & HEX NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

HOOD _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 0.75
(.000030 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK).

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK).

INSULATOR _____ N/A