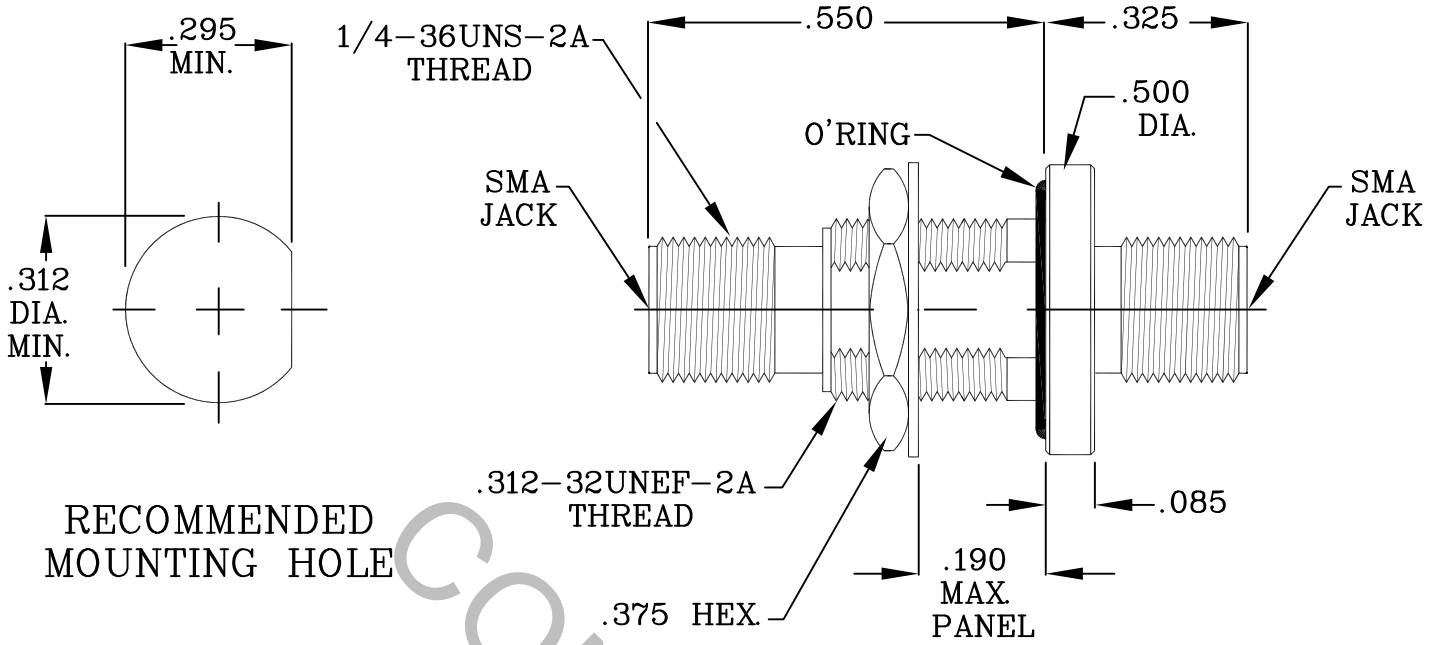


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 310.2 (SMA, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.05 + .010 x F/GHz.
INSERTION LOSS (dB MAX.) *	.045 dB x √F/GHz.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	100 dB - F/GHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	12.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 HAVERHILL MA. 01835
AA	06-2105	9/6/06	TS	DECIMALS FRACTIONAL ANGULAR .X ± .030 1/64 X° ± 1' 0" .XX ± .010 X° X' ± 15" .XXX ± .005	TITLE SMA JACK TO SMA JACK, HERMETIC BULKHEAD ADAPTER
AB	11-1632	7/25/11	TS	SURFACE ROUGHNESS 63 √ MIL-STD 10.	
				DRAWN TS DATE 9/6/06 APPROVED DC DATE 9/6/06	
				CODE IDENT. 2J899	DWG. NO. 1120-9999-6287
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE

- INTERFACE _____ 7-10 In.Lbs.
- PACKAGE _____ 17-20 In.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.) (375 VRMS)

HERMETICITY _____ 1×10^{-8} cc/sec

5. MATERIAL

CONNECTOR BODY, LOCKNUT AND LOCKWASHER _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATORS _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

GLASS PIN _____ KOVAR PER MIL-I-23011

GLASS _____ CORNING 7070

O'RING _____ SILICONE RUBBER PER ZZ-R-765.

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

LOCKNUT AND LOCKWASHER _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
AND GLASS PIN (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THK.)

CENTER CONTACT _____ GOLD PER ASTM-B-488, TYPE I, 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 AND O'RING _____ N/A