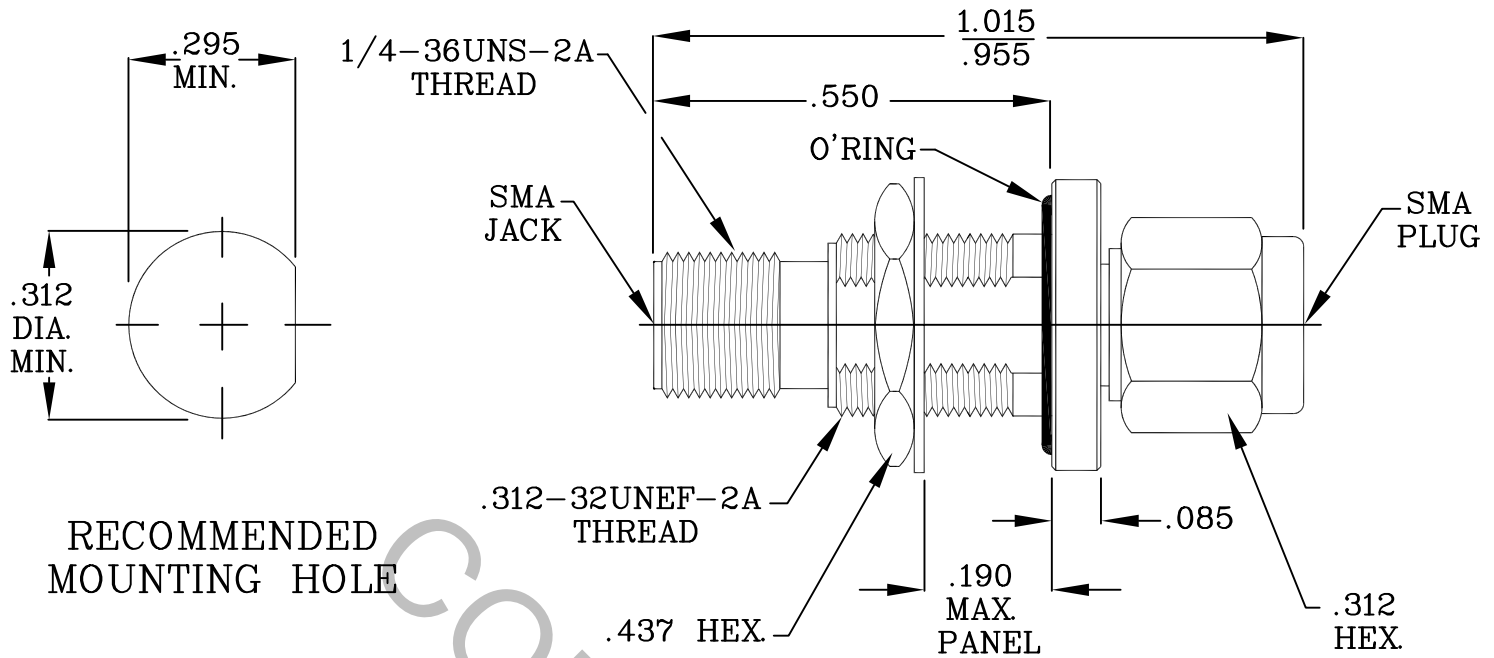


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK AND MIL-STD-348A (Fig. 310.1) SMA, PLUG.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) *	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	.045 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)	1,500
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

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	1096	7/94	T.S.	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1' 0" X° X' ± 15"	
AA	18-1664	6/18	T.S.	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	TS	DATE	TITLE SMA, PLUG TO SMA, JACK BULKHEAD ADAPTER
				APPROVED	DGG	DATE	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1110-9899-6287
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 24.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

RECOMMENDED MOUNTING TORQUE _____ 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.) (125 VRMS)

5. MATERIAL

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

CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.

INSULATOR _____ TEFLON PER ASTM D 4894-91

O'RING AND GASKET _____ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60

6. FINISH

CONNECTOR BODY, COUPLING NUT, LOCKNUT _____ PASSIVATE PER QQ-P-35C, TYPE IV
AND LOCKWASHER

CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 1.27
(.000050 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR, O'RING, GASKET AND RETAINING RING _____ N/A