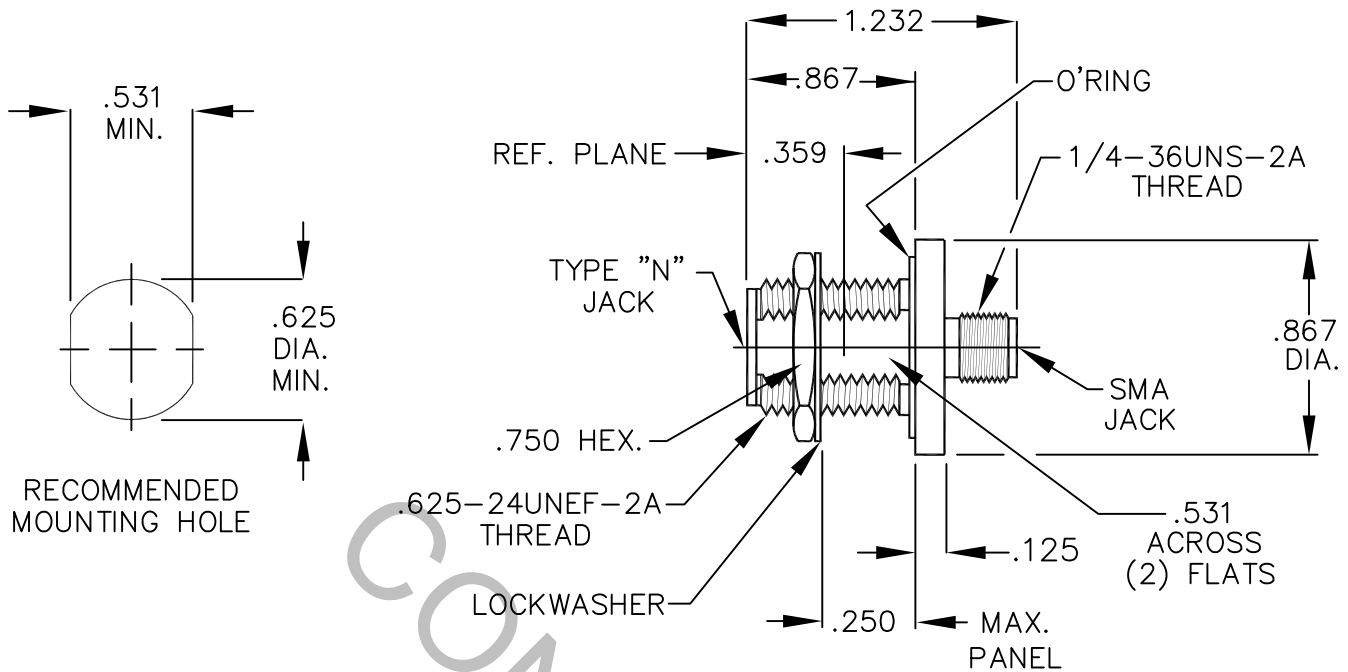


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR TYPE "N" JACK PER MIL-STD-348 (Fig. 304-2) AND SMA JACK (Fig. 310-2).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX.) *	_____	1.10 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.06 dB x FGHz.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
—	999	8/93	M.B.	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1 0' X ° X' ± 15'	
A	1091	6/94	T.S.	SURFACE ROUGHNESS 63 √MIL-STD-10.			
B	1151	5/95	T.S.	DRAWN	M.B.	DATE 8/93	TITLE TYPE "N", JACK, TO SMA, JACK ADAPTER
BB	18-1598	5/30/18	T.S.	APPROVED		DATE 8/93	
				CODE IDENT.		SHEET 1 OF 2	DWG. NO. 1110-7599-6250
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX.AXIAL FORCE _____ 4.5 LBS.

MAX. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ 32.0

● WITHDRAWAL (MIN. OUNCES) _____ 1.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 1,000

RECOMMENDED MATING TORQUE _____ "N"=17-20 IN.LBS.

RECOMMENDED MATING TORQUE _____ "SMA"=7-10 IN. LBS.

RECOMMENDED MOUNTING TORQUE _____ 30-35 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.) (250 VRMS)

5. MATERIAL

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

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY
UNS-C-17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

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

6. FINISH

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

CENTER CONTACT _____ GOLD PER ASTM-B-488, TYPE II, 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