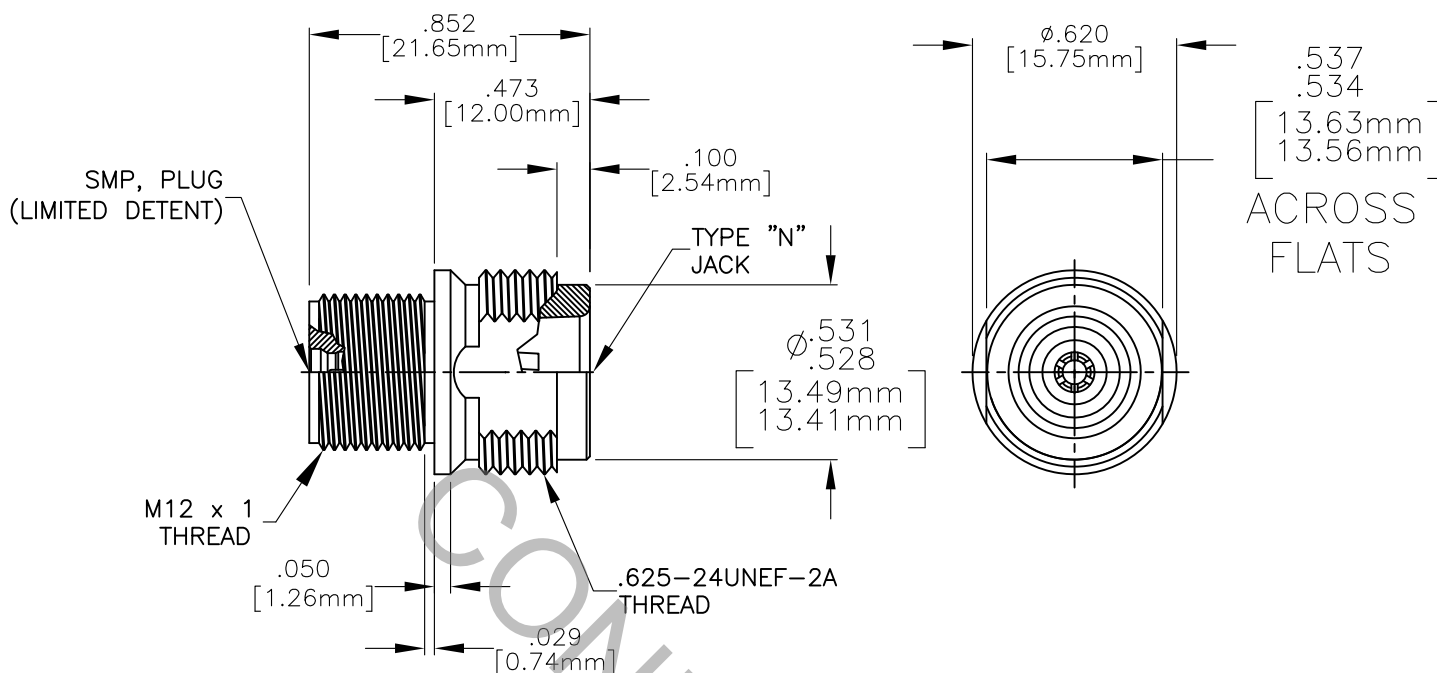


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 304.2 (TYPE "N", JACK) AND MIL-STD-348 Fig. 326.3 (SMP, MALE, LIMITED DETENT.)


2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz
VSWR (MAX) *	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX) *	.10 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	167
RF LEAKAGE (MIN. dB DOWN)	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
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
AA	12-1354	5/2/12	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	
BA	18-1388	4/5/18	TS	FRACTIONAL ± 1/64	
				DRAWN TS DATE 5/2/12	TITLE TYPE "N", JACK THREAD-IN TO SMP, MALE (LD) ADAPTER
				APPROVED DC DATE 5/2/12	
				CODE IDENT. 2J899	DWG. NO. 1137-2175-6200 SHEET 1 OF 2

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) _____ TYPE "N" INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ TYPE "N" INTERFACE 2.0

CONNECTOR ENGAGEMENT (MAX. LBS.) _____ 2.0 TNC, 10.0 SMP

CONNECTOR DISENGAGEMENT (MIN. LBS.) _____ N/A TNC, 2.0 SMP

CONNECTOR DURABILITY (MIN. CYCLES) _____ 250 (SMP, LIMITED DETENT)

RECOMMENDED MATING TORQUE _____ SMA, N/A

RECOMMENDED MOUNTING TORQUE _____ TNC 30 - 35 IN. LBS.

4. ENVIRONMENTAL

THERMAL SHOCK _____ MIL-STD-202, METHOD 107, COND. B (-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 _____ 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.

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

6. FINISH

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

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 2814 (.000010 MIN. THK.)

INSULATOR _____ N/A