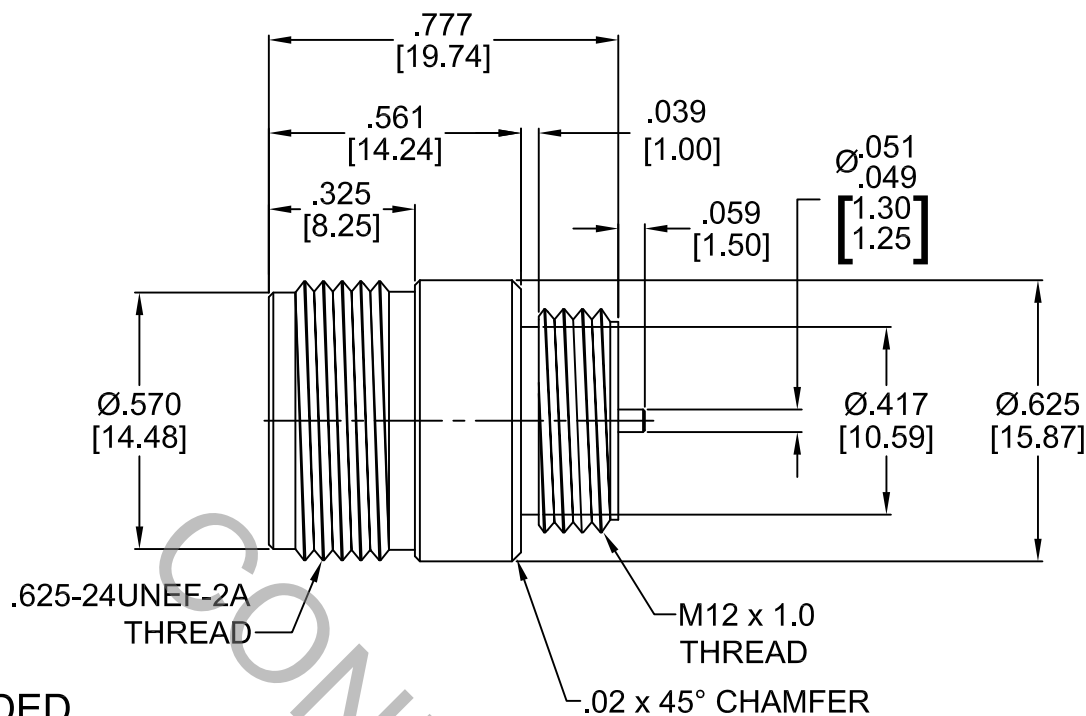


# SPECIFICATION CONTROL DRAWING



**O'RING LOADED**

1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 304.2 (TYPE "N", JACK).


## 2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz
VSWR (MAX) *	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX) *	.05 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	875
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	2,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

\* 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	
AA	15-1493	4/1/15	TS	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1 0' X ° X' ± 15'	TITLE "N", JACK THREAD-IN STRAIGHT TERMINAL
AB	15-1509	4/2/15	TS				
				DRAWN	TS	DATE 4/1/15	
				APPROVED	DC	DATE 4/1/15	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 7530-0031-6202
				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) \_\_\_\_\_ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

RECOMMENDED MATING TORQUE \_\_\_\_\_ 30 - 35 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65° c TO + 200° 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. ) ( 625 VRMS )

INGRESS PROTECTION \_\_\_\_\_ IP67

## 5. MATERIAL

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

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

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

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 \_\_\_\_\_ N/A