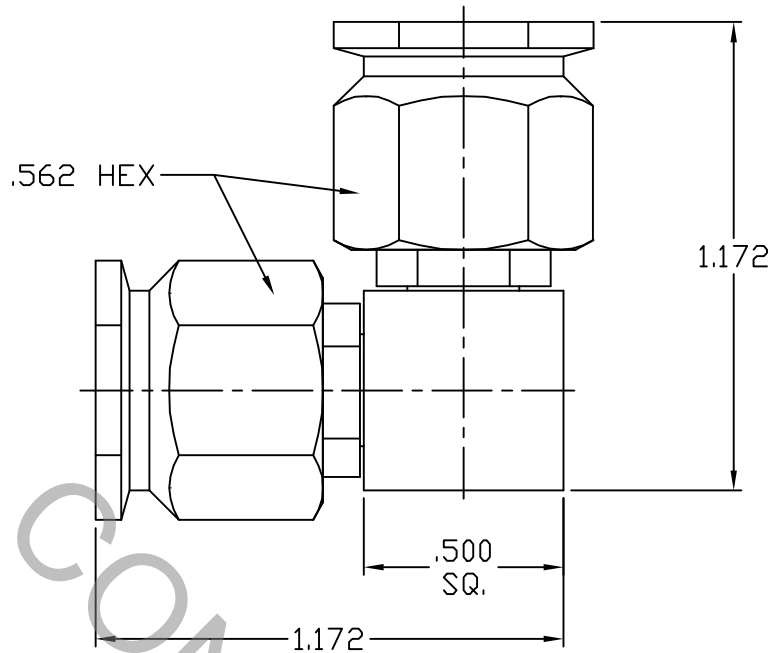


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS TYPE "TNCA", MALE PER MIL-STD-348 FIG. 313.3

## 2. ELECTRICAL


FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.10 + .015 FGHz.
INSERTION LOSS (dB MAX.) *	.040 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO +40 ° 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

**POWER RATING @ SEA LEVEL:**

CW POWER 600 WATTS MAX.

PEAK POWER 400 KILOWATTS MAX.

\* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 GEORGETOWN MA. 01833
AA	04-1727	6/4/04	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X ° ± 1'0" X ° X' ± 15'	
AB	04-1770	6/17/04	DC	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN DC DATE 6/4/04			TITLE TNCA (M) TO TNCA (M) HIGH POWER RIGHT ANGLE ADAPTER
				APPROVED DC DATE 6/4/04			
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1101-8484-6200	

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ 2.0 IN./OZ.

### CENTER CONTACT AXIAL FORCES (REAR)

- INSERTION (MAX. OUNCES) \_\_\_\_\_ N/A
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ N/A

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

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

RECOMMENDED MATING TORQUE \_\_\_\_\_ 30 TO 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)

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 )

## 5. MATERIAL

CONNECTOR BODY & COUPLING 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 T004

INSULATOR \_\_\_\_\_ FLUOROLOY "H"

## 6. FINISH

CONNECTOR BODY AND COUPLING NUT \_\_\_\_\_ PASSIVATE PER QQ-P-35A, TYPE I

CENTER CONTACT \_\_\_\_\_ GOLD ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.000010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

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