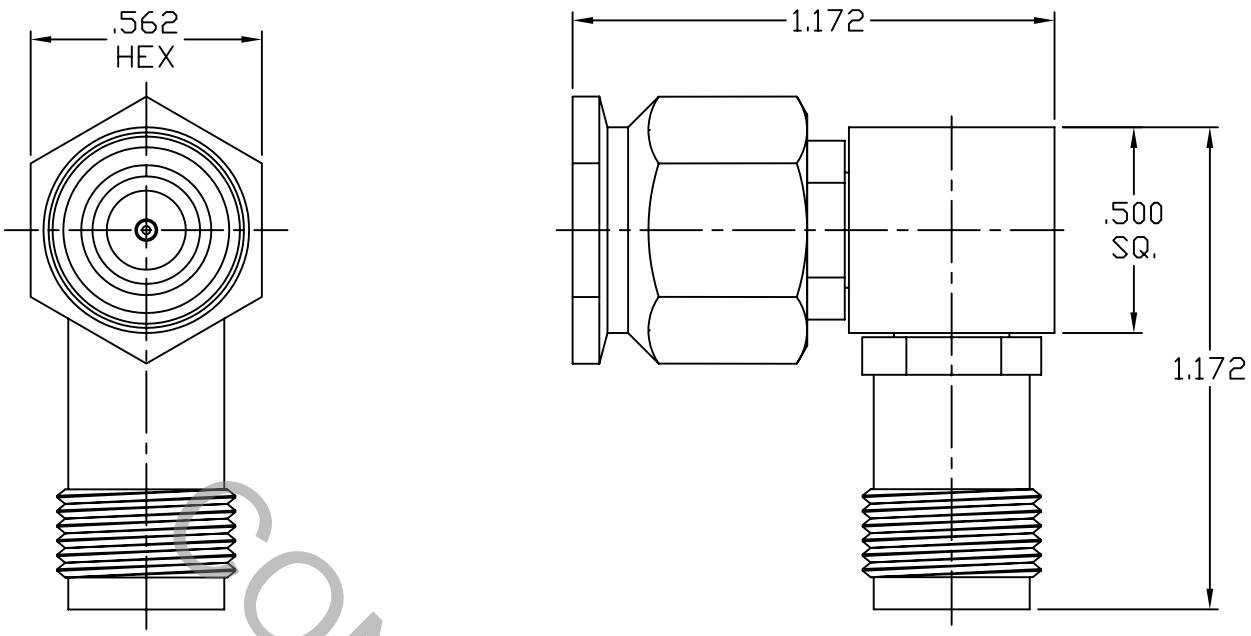
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS TYPE "TNCA", MALE PER MIL-STD-348 FIG. 313.1 AND "TNCA", FEMALE PER MIL-STD-348 FIG. 313.2

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.10 + .015$\sqrt{F}$GHz.
INSERTION LOSS (dB MAX.) *	.040 dB x $\sqrt{F}$GHz.
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

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	06-2135	9/12/06	TS

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ±.030, .XX ±.010, .XXX ±.005
FRACTIONAL: ±1/64
ANGULAR: X° ±1°0', X.X° ±15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
GEORGETOWN MA. 01833

DRAWN TS DATE 9/12/06

APPROVED DC DATE 9/12/06

TITLE
TNCA (M) TO TNCA (F)
RIGHT ANGLE ADAPTER

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1101-8485-6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE — 6.0 LBS.
- MIN. RADIAL TORQUE — 4.0 IN./OZ.

CENTER CONTACT AXIAL FORCES (REAR)

- INSERTION (MAX. OUNCES) — JACK INTERFACE 32.0
- WITHDRAWAL (MIN. OUNCES) — JACK INTERFACE 2.0

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)

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5. MATERIAL

CONNECTOR BODY & COUPLING NUT	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT & RETAINING RING	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY UNS–C–17300, TEMPER TD04
GASKET	SILICONE RUBBER PER ZZ–R–765
INSULATOR	TEFLON PER ASTM D 1710

6. FINISH

CONNECTOR BODY & COUPLING NUT	PASSIVATE PER AMS QQ–P–35, TYPE 2.
CENTER CONTACT	GOLD ASTM–B–488, TYPE I, CODE C, CLASS 2.5 (.000010 MIN.) OVER NICKEL PER QQ–N–290, CLASS 1 (.00010 MIN.) OVER COPPER PER MIL–C–14550 (.000010 MIN.)
INSULATOR, RETAINING RING & GASKET	N/A