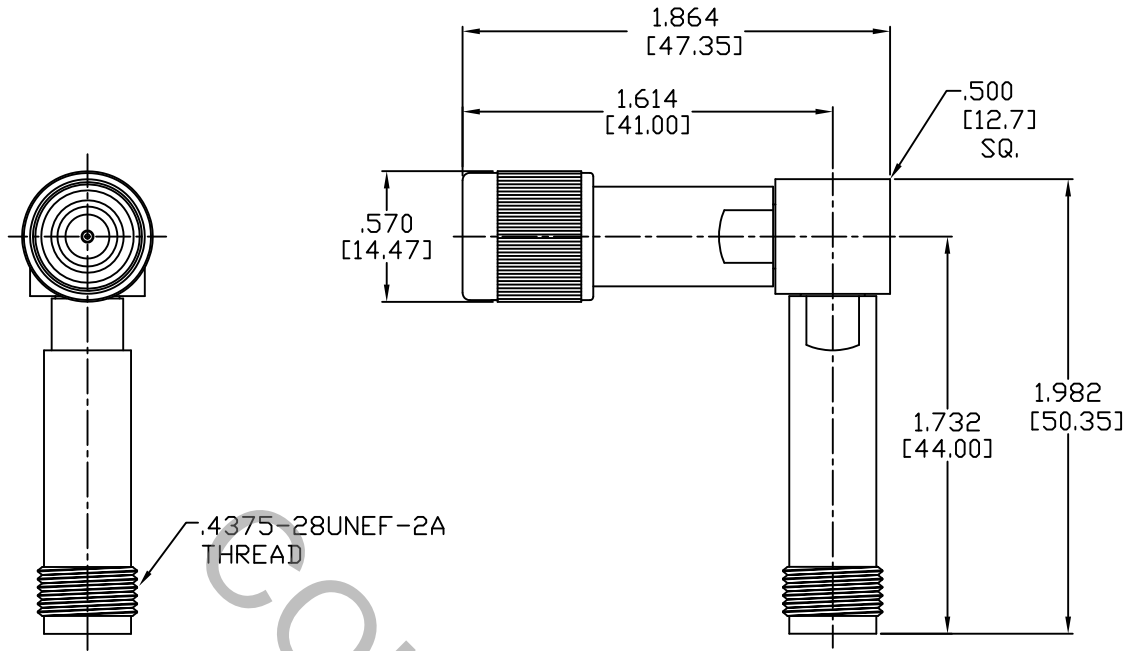


SPECIFICATION CONTROL DRAWING



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) *	_____	1.12 + .015√FGHz.
INSERTION LOSS (dB MAX) *	_____	.050 dB x 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

* 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			 GEORGETOWN MA. 01833
AA	17-1116	1/23/17	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.	TITLE TNCA (M) TO TNCA (F) RIGHT ANGLE ADAPTER		
				DRAWN TS DATE 1/23/17			
				APPROVED DC DATE 1/23/17			
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1101-8485-3201	

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

- 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)

5. MATERIAL

CONNECTOR BODYS & COUPLING NUT _____ STAINLESS STEEL PER ASTM A 484, TYPE 316.

CENTER CONTACTS & RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C-17300, TEMPER TD04

GASKET _____ SILICONE RUBBER PER ZZ-R-765

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

6. FINISH

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

CENTER CONTACT _____ GOLD 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 2418 (.000010 MIN. THK.)

INSULATOR, RETAINING RING & GASKET _____ N/A