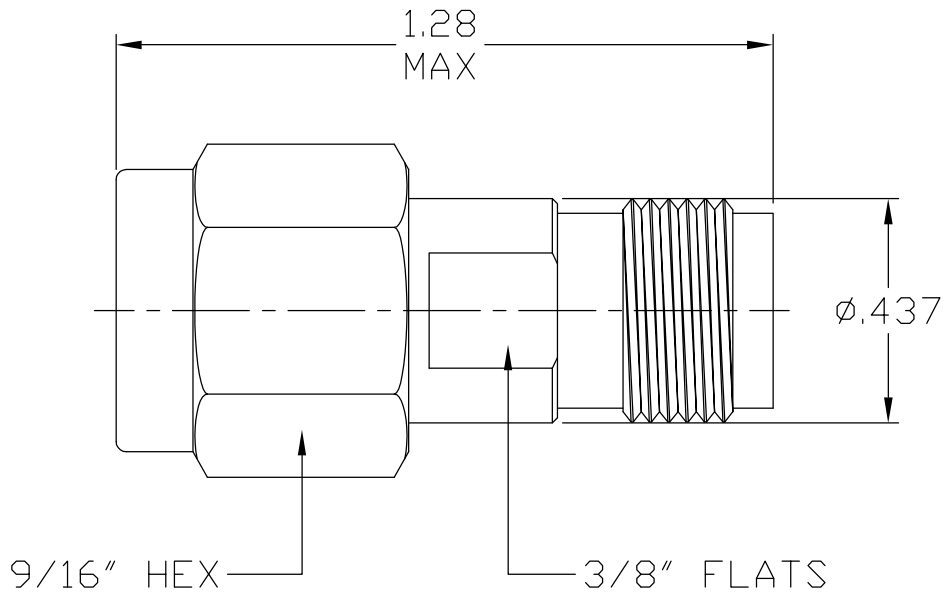


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 313.1 (TNC PLUG)
 WITH SOLID OUTER AND MIL-STD-348 Fig. 313.2 (TNC JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	$1.06 + .008 \times \sqrt{\text{FGHz}}$
INSERTION LOSS (dB MAX.) *	_____	$.05 \text{ dB} \times \sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO $+165^{\circ}\text{C}$
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	06-1988	8/15/06	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1'0" X ° X' ± 15'	
				DRAWN DC	DATE 8/15/06	TITLE TNC PLUG TNC JACK ADAPTER	
				APPROVED DC	DATE 8/15/06		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-8485-2787	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ N/A

● WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 15 - 18 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-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.) (375 VRMS)

5. MATERIAL

BODY & COUPLING NUT _____ BRASS PER ASTM-B16, TEMPER H02, ALLOY C36000.

CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

GASKET _____ SILICONE RUBBER PER ZZ-R-765

6. FINISH

BODY & COUPLING NUT _____ NICKEL PER QQ-N-290, CLASS 1
(.000200 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

INSULATOR, GASKET & RETAINING RING _____ N/A