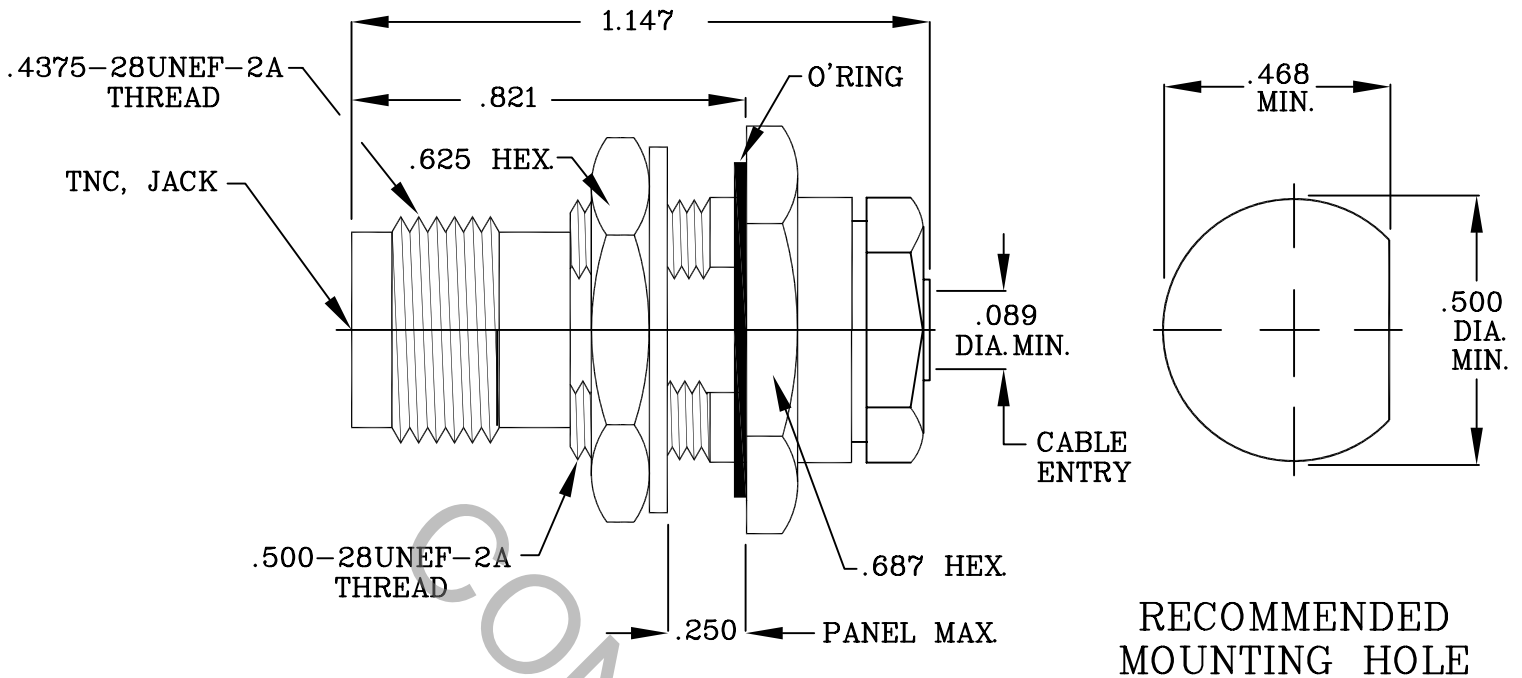


SPECIFICATION CONTROL DRAWING



RECOMMENDED
MOUNTING HOLE

1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 313.4) ETNC, JACK AND

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX) *	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX) *	.035 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 +200° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	1.5
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			dynawave INCORPORATED HAVERHILL MA. 01835
AA	08-1055			DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15'	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			TITLE KTNC, JACK BULKHEAD MOUNT SOLDER CLAMP TO .085 SEMI-RIGID CABLE
				DRAWN T.S. DATE 1/15/08			
				APPROVED DC DATE 1/15/08			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 8510-8521-2700

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) _____ 24.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 1,000

RECOMMENDED MATING TORQUE

INTERFACE _____ 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)

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

CONNECTOR BODY AND CABLE BODY _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

LOCKWASHER AND LOCKNUT _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03 COPPER ALLOY No. UNS C17300, TEMPER TD04.

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

O'RING _____ E740-75

6. FINISH

CONNECTOR BODY _____ NICKEL PER QQ-N-290, CLASS 1 (.00050 MIN. THK.)

LOCKWASHER AND LOCKNUT _____ PASSIVATE PER QQ-P-35D, TYPE II

CABLE BODY _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000150 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5
(.00010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR AND O'RING _____ N/A