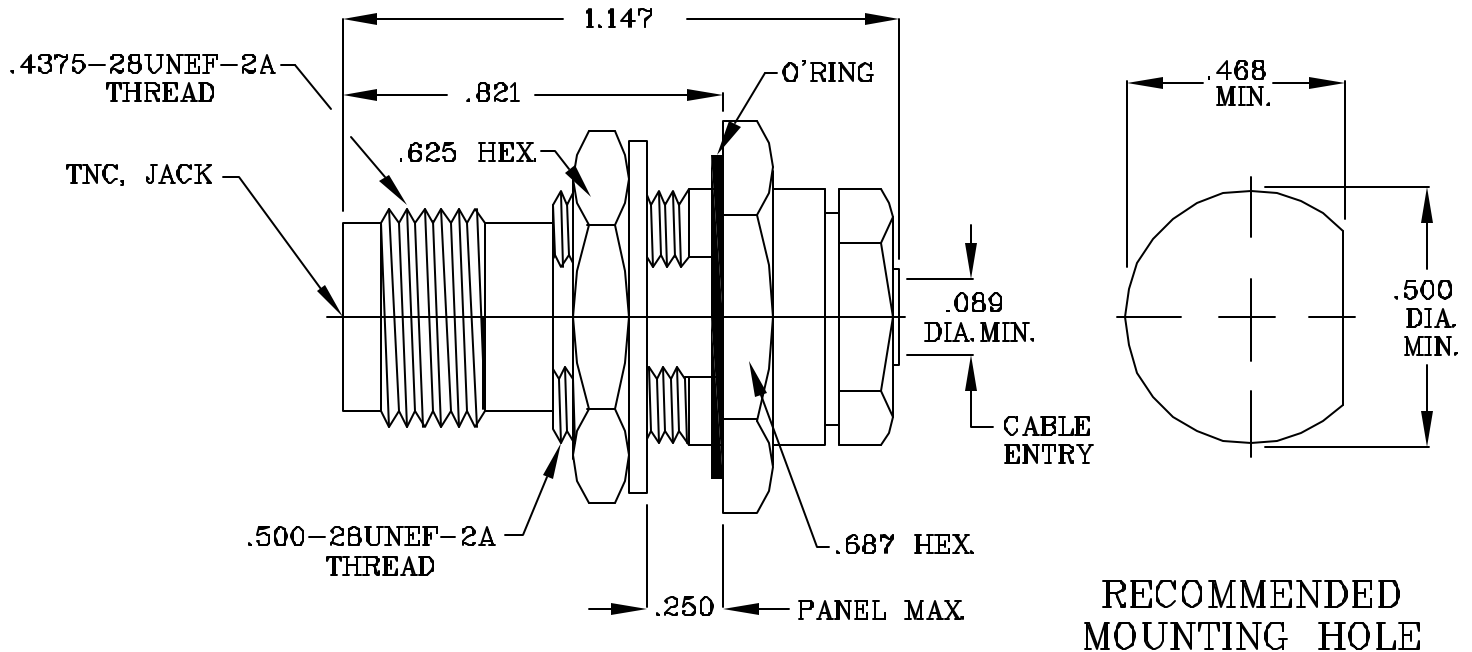


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 313.4) ETNC, JACK AND DYNAWAVE SPECIFICATION MD-85 (KTNC 18 GHz.)

## 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			 <small>HAVERHILL MA. 01836</small>
AA	04-1656	5/18/04	T.S.	DECIMALS .X ± .080 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1' 0" X ° X ± 15'	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$ .			<b>TITLE</b> KTNC, JACK BULKHEAD MOUNT SOLDER CLAMP TO .085 SEMI-RIGID CABLE
				DRAWN T.S. DATE 5/18/04			
				APPROVED DC DATE 5/18/04			<b>DWG. NO.</b> 8510-8521-6200
				CODE IDENT. 2J899	SHEET 1 OF 2		

# 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, LOCKWASHER, LOCKNUT \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.  
AND CABLE BODY

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 4894-91

O-RING \_\_\_\_\_ E740-75

## 6. FINISH

CONNECTOR BODY, LOCKWASHER AND LOCKNUT \_\_\_\_\_ PASSIVATE PER QQ-P-35D, TYPE II

CABLE BODY \_\_\_\_\_ GOLD PER ASTM B 488, TYPE I, GRADE C, CLASS 1 OVER  
NICKEL PER QQ-N-290, CLASS 1.

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE II, GRADE C, CLASS 2  
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.000010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR AND O-RING \_\_\_\_\_ N/A