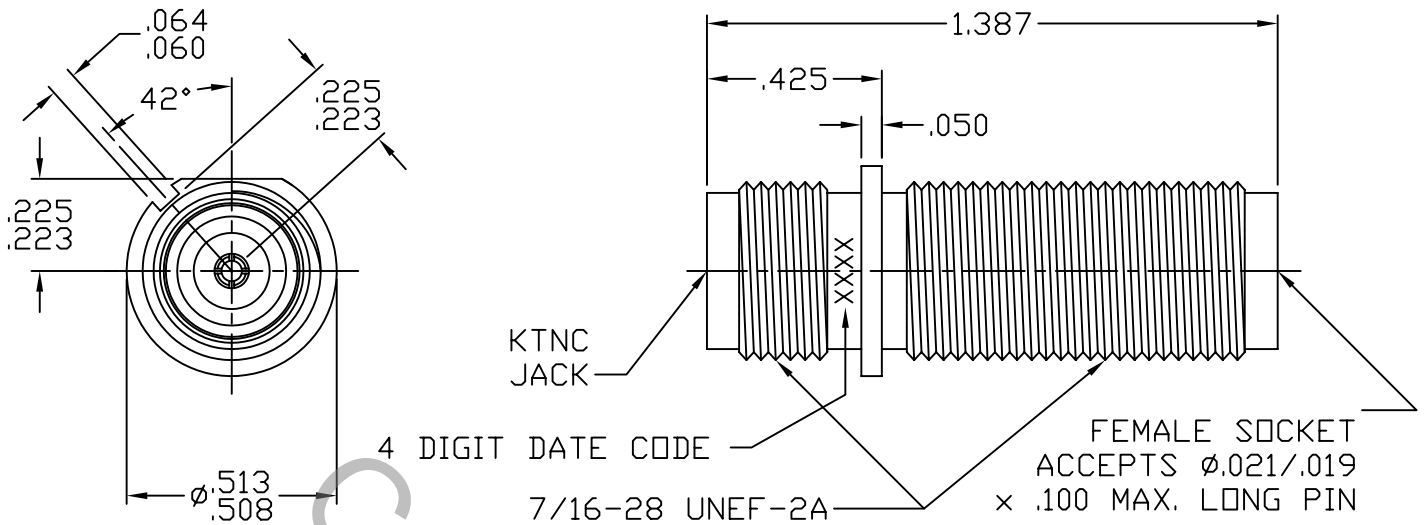


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 313.2 TNC, JACK) AND DYNAWAVE SPECIFICATION MD-85 (KTNC 18.0 GHz.)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX.) *	_____	1.07 + .007 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.05 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 +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	4.5
• 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
				DECIMALS	FRACTIONAL	ANGULAR	
AA	03-2504	11/25/03	DC	.X ± .030	1/64	X° ± 1'0"	<b>TITLE</b> KTNC, JACK SCREW-IN, KEYED FLANGE 42°
BA	06-1933	8/2/06	DC	.XX ± .010		X° X' ± 15"	
				.XXX ± .005		SURFACE ROUGHNESS 63 √ MIL-STD 10.	
				DRAWN: DC	DATE: 11/25/03		
				APP.: DC	DATE: 11/25/03		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO.	8730-0081-6217

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 24.0, REAR 32.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0, REAR 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

### RECOMMENDED TORQUE

INTERFACE \_\_\_\_\_ 30.0 TO 35.0 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 \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.

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

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

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ PASSIVATE PER QQ-P-35C, TYPE IV.

CENTER CONTACT \_\_\_\_\_ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2  
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR \_\_\_\_\_ N/A