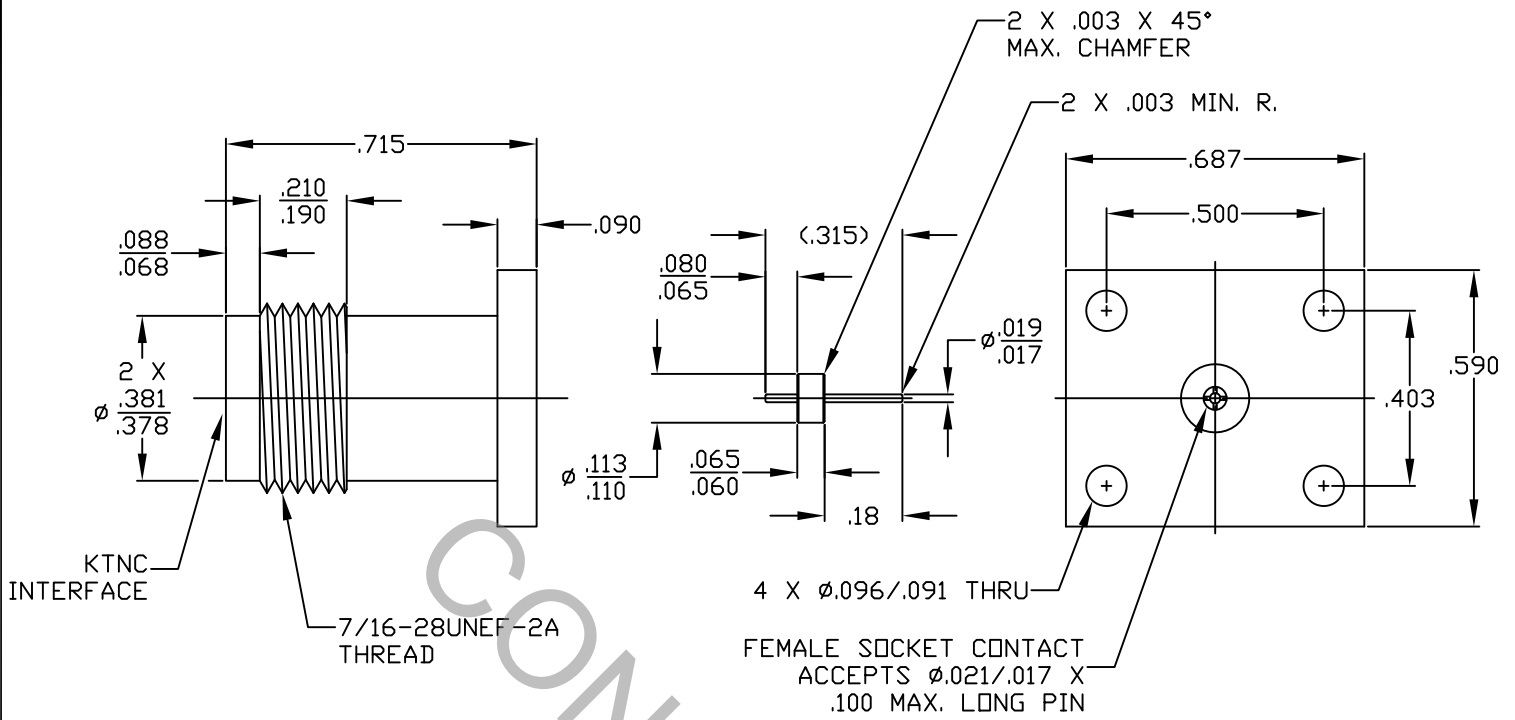


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-C-39012/TNC SERIES AND DYNAWAVE MD-85 (KTNC 18 GHz.)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	D.C. TO 18.0 GHz.
VSWR (MAX) *	_____	1.07 + .010 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.07 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
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

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	02-0696	8/19/02	BN	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1' 0" X° X' ± 15"	<b>TITLE</b> KTNC, JACK 4 HOLE FLANGE FIELD REPLACEABLE WITH SELF LOCATING SEAL
AB	10-1888	9/21/10	DC	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	GE	DATE	8/6/02
				APPROVED	BN	DATE	8/6/02
				CODE IDENT.			DWG. NO.
				2J899	SHEET 1 OF 2	8554-0018-6219	

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MAX AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MAX RADIAL TORQUE \_\_\_\_\_ 2.0 IN. OZ.

### CENTER CONTACT AXIAL FORCE

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

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN. LBS.) — 2.0

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

RECOMMENDED MATING TORQUE \_\_\_\_\_ 30 TO 35 INCH 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

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A  
CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.  
INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.  
CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5 (.00010 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)  
INSULATOR \_\_\_\_\_ N/A