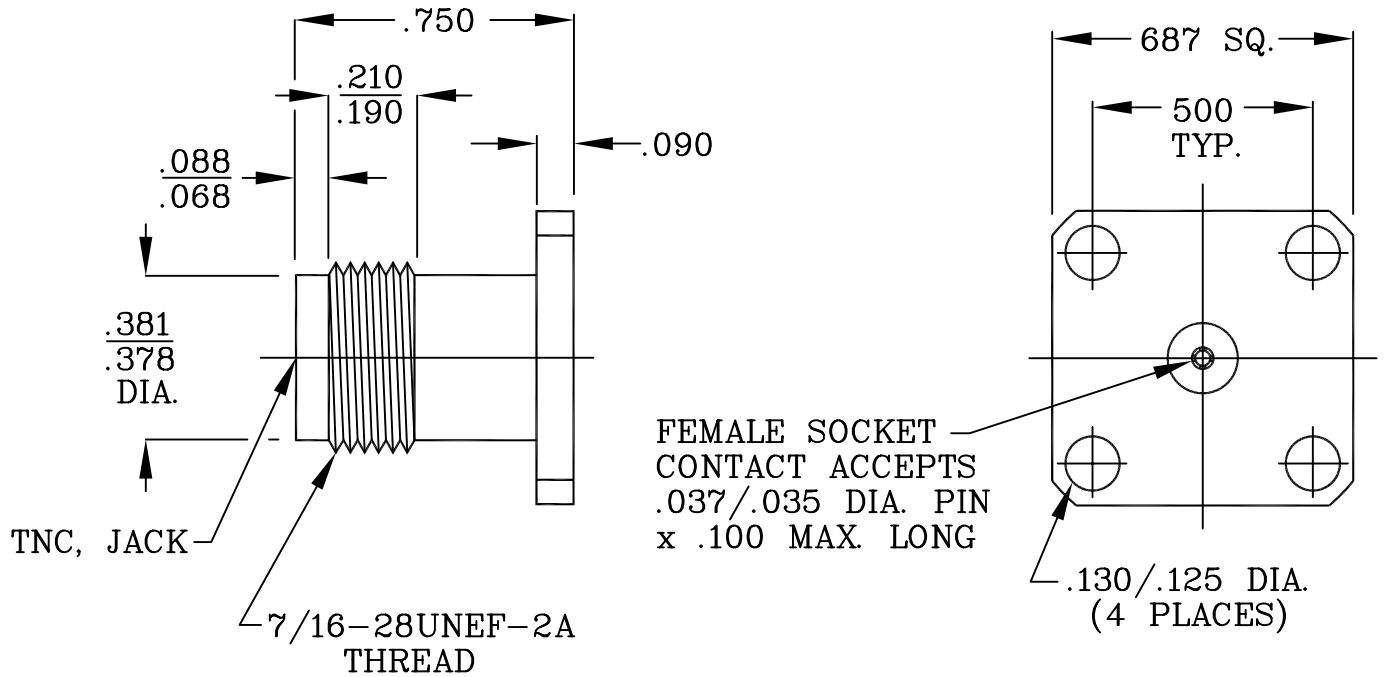


SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	D.C. TO 18.0 GHz.
VSWR (MAX) *	_____	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.04 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)	_____	1500
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			dynawave INCORPORATED HAVERHILL, MA. 01835
AA	06-1643	5/16/06	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	1/64	X ° ± 1 0' X ° X' ± 15'	TITLE KTNC, JACK 4 HOLE FLANGE FIELD REPLACEABLE
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			
				DRAWN	TS	DATE 5/16/06	DWG. NO. 8554-0081-2735
				APPROVED	DC	DATE 5/16/06	
				CODE IDENT.	SHEET 1 OF 2		
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ 2.0 IN. OZ.

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ INTERFACE 24.0 ; REAR 32.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 ; REAR 1.0

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.) (190 VRMS)

5. MATERIAL

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

CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER T04.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

6. FINISH

BODY _____ NICKEL PER QQ-N-290, CLASS 1, (.00002 MIN. THK.)
OVER WOODS OR WATTS NICKEL (.00001 MIN. THK.) OVER
COPPER PER MIL-C-14550 (.00001 MIN. THK.)

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.00010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR _____ N/A