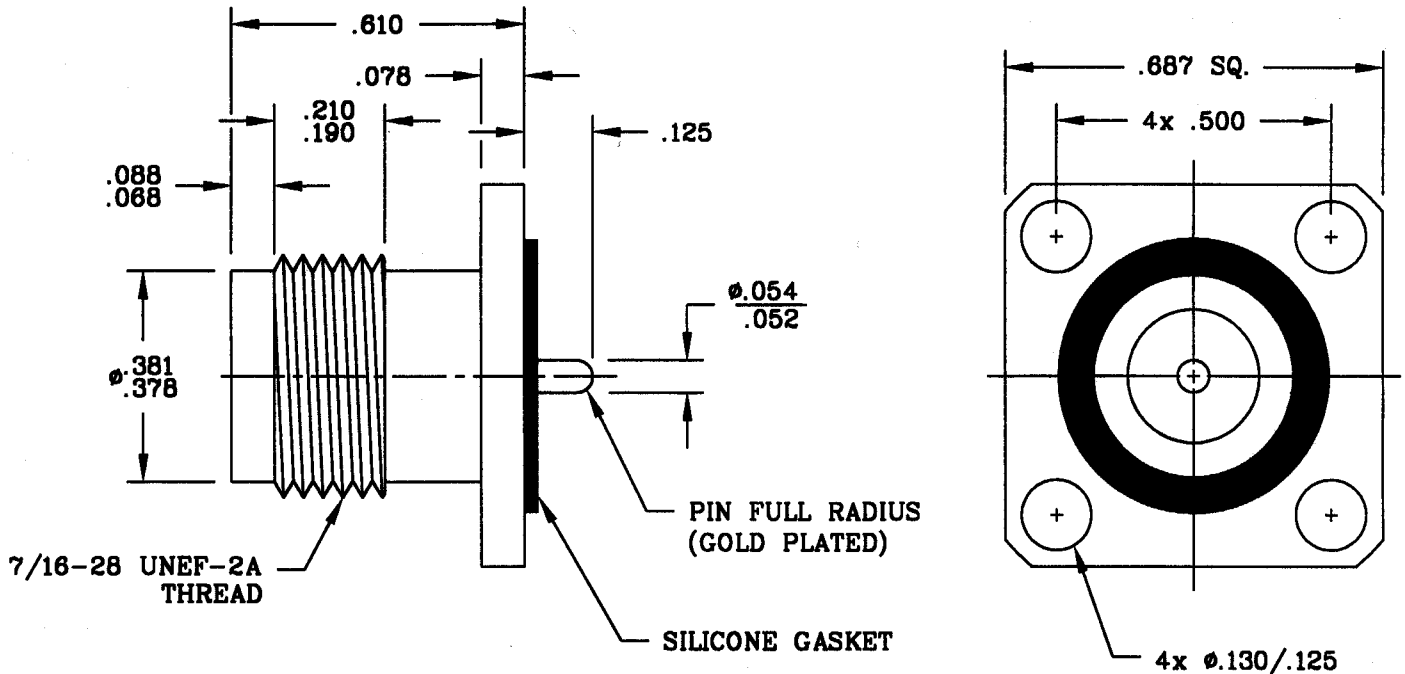


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSION PER MIL-STD-348A FIG. 313.2 (TNC, JACK) AND DYNAWAVE MD-85 (KTNC 18 GHz)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 15.0 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)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	1.5
• OUTER CONTACT (MAX. MILLIOHMS)	_____	.2

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 Haverhill, MA 01835
AA	03-1297	3/5/03	DC	DECIMALS FRACTIONAL ANGULAR .X ± .030 3/64 X° ± 0' .XX ± .010 X' ± 15' .XXX ± .005	
AB	03-1455	4-9-03	D.C.		
				DRAWN D.C. DATE 3/5/03	TITLE KTNC, JACK 4 HOLE FLANGE SEALED
				APPROVED D.C. DATE 3/5/03	
				CODE IDENT. 2J899	DWG. NO. 8554-0035-6700
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 8.0 LBS.
- MIN. RADIAL TORQUE _____ 2.0 IN-OZ.

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ INTERFACE 32.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 15 TO 20 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 (96 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (375 VRMS)
IMMERSION _____ MIL-STD-810, METHOD 512.4, PROC. 1, UNIT TEMPERATURE 27°C ABOVE WATER

5. MATERIAL

BODY _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
CONTACT _____ BERYLLIUM COPPER PER ASTM B196, COPPER ALLOY
UNS C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER MIL-P-19468 AND L-P-403, TYPE I
GASKET AND O-RINGS _____ SILICONE

6. FINISH

BODY _____ NICKEL PER QQ-N-290
CONTACT _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550
(.000010 MIN. THK.).
INSULATOR, GASKET AND O-RINGS _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

8554-0035-6700

REV.

AB