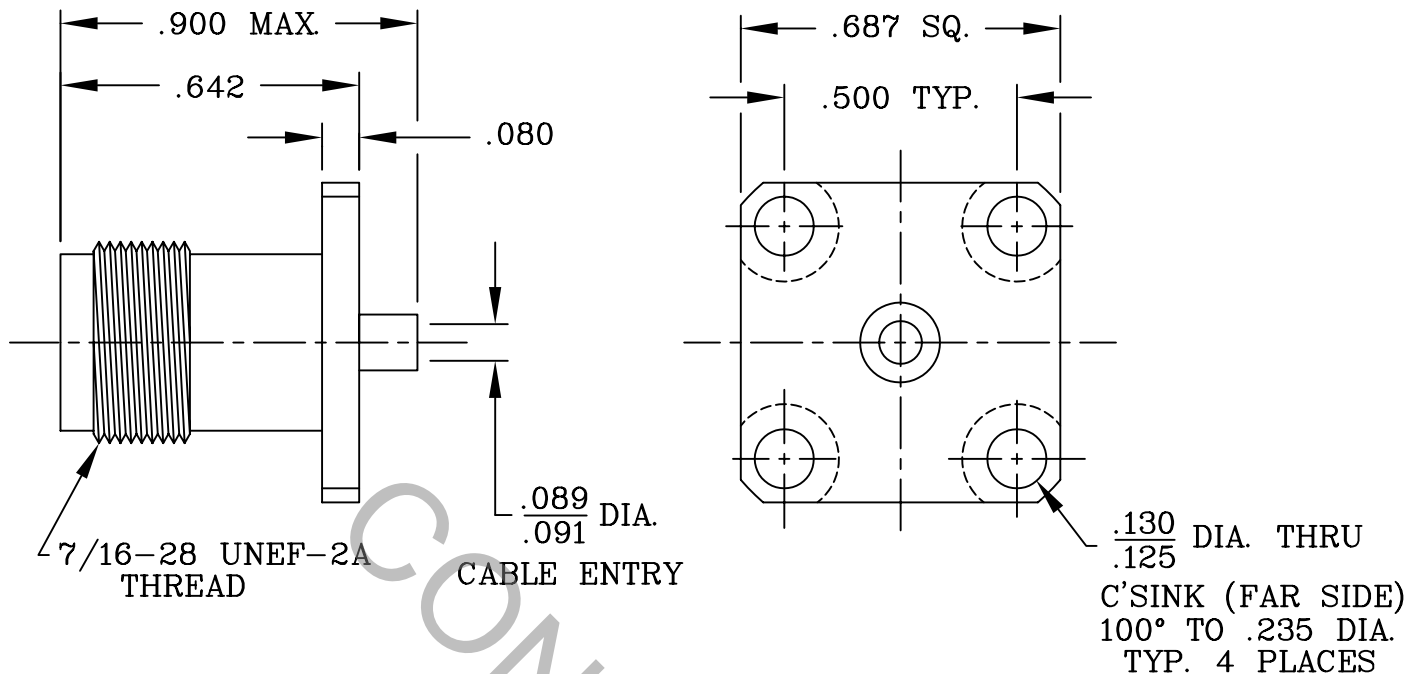


SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC 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)	250
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO +165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• 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
AA	01-1165	12/7/01	TS	DECIMALS X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			TITLE KTNC JACK, 4 HOLE FLANGE DIRECT SOLDER .085 S.R. CABLE
				DRAWN	KLF	DATE 12/7/01	
				APPROVED	TS	DATE 12/7/01	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.
				2J899			8554-8521-6487

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

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 - 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.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASM-5640, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, COND. H.T., ALLOY 173

INSULATOR _____ TEFLON PER MIL-P-19468 AND L-P-403, TYPE I

6. FINISH

BODY _____ GOLD PER ATSM B 488, TYPE 2, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS).

CONTACT _____ GOLD per MIL-G-45204, TYPE I, GRADE C, CLASS 2
OVER COPPER PER MIL-C-14550, CLASS 4.

INSULATOR _____ N/A