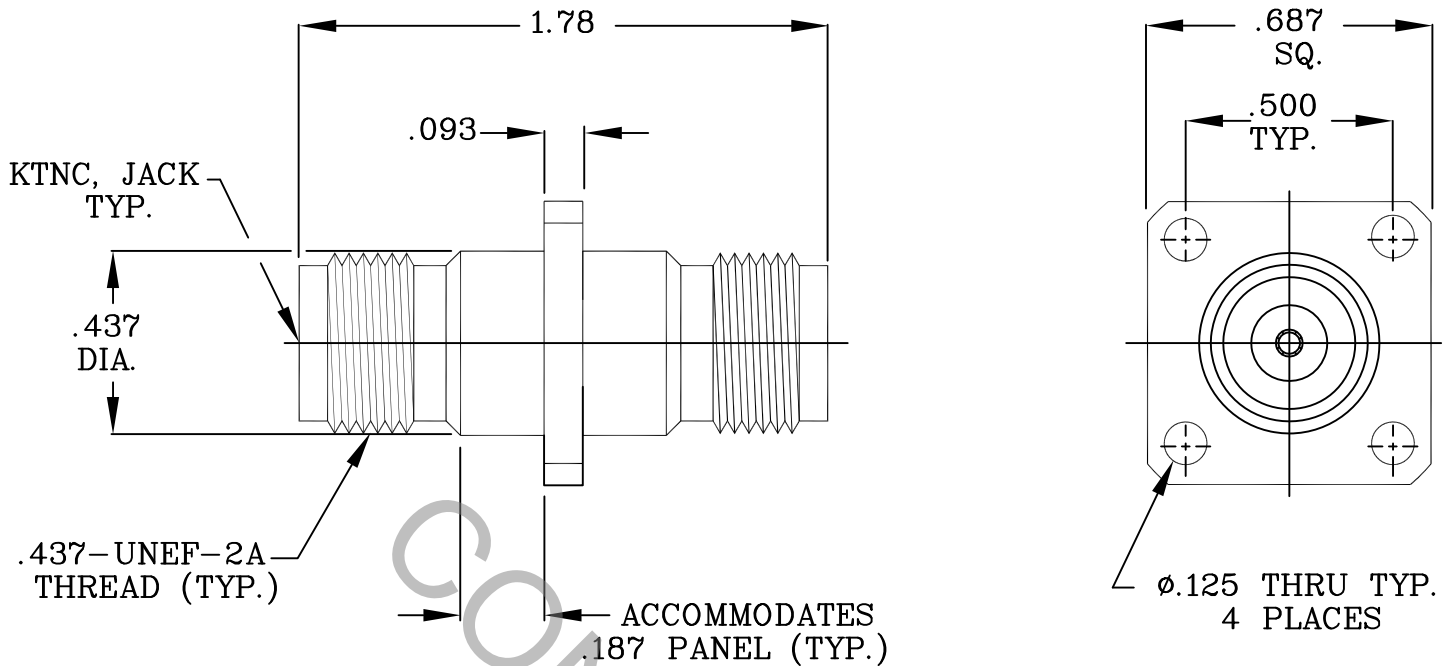


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 313.2 (TNC, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX) *	_____	1.07 + .015 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.045 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	
AA	09-1732	9/23/09	TS	DECIMALS FRACTIONAL ANGULAR .X ± .030 1/64 X° ± 1' 0" .XX ± .010 X° X' ± 15" .XXX ± .005 SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.	 HAVERHILL, MA 01835
				DRAWN TS DATE 9/23/09	TITLE KTNC, JACK TO KTNC, JACK 4 HOLE BULKHEAD MOUNT ADAPTER
				APPROVED DC DATE 9/23/09	
				CODE IDENT. 2J899	DWG. NO. 1154-8585-6251
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT MATING FORCES

● INSERTION (MAX. OUNCES) _____ 48.0

● WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 125 ° 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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/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

CONNECTOR BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2

CONTACT _____ GOLD per ATSM B 488, TYPE 2, CODE C, CLASS 1.25 (.000050 Min. Thk.) OVER NICKEL per QQ-N-290, CLASS 1 (.000050 Min. Thk.) OVER COPPER per MIL-C-14550 (.000040 Min. Thk.).

INSULATOR _____ N/A