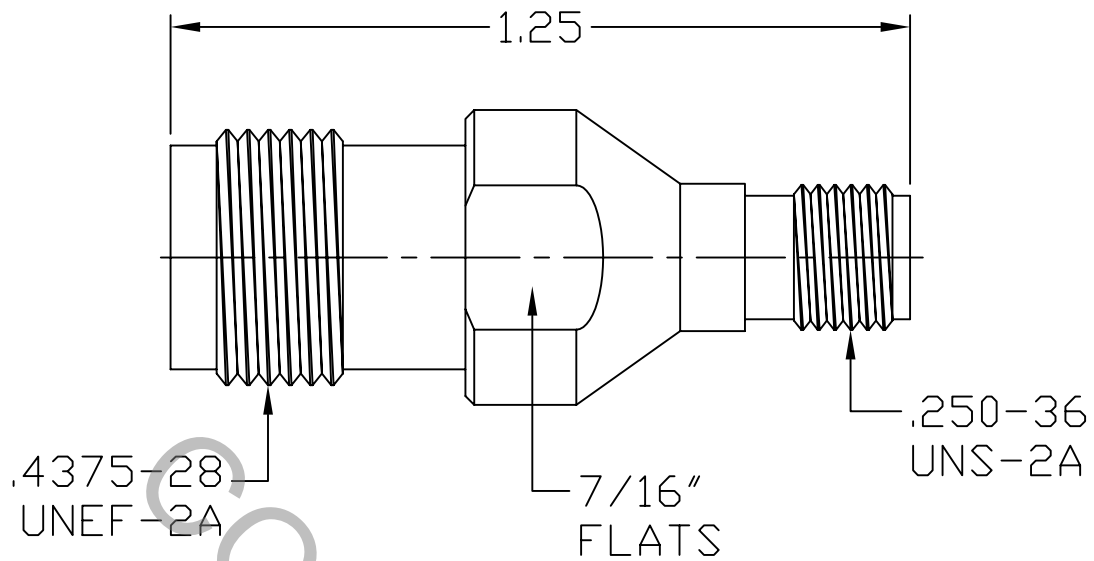


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348  
Fig. 313.2 (TNC JACK) AND 310.2 (SMA JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.06 + .013 FGHz.
INSERTION LOSS (dB MAX.) *	.050 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	415
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,250
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			 HAVERHILL, MA 01835
AA	06-1976	8/11/06	DC	DECIMALS	FRACTIONAL	ANGULAR	
AB	08-1200	2/22/08	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X° X' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN DC	DATE 8/10/06	TITLE TNC JACK TO SMA JACK ADAPTER	
				APPROVED DC	DATE 8/10/06		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-8599-6251	

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES (REAR)

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

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

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

RECOMMENDED MATING TORQUE \_\_\_\_\_ 15 TO 18 IN. LBS. TNC  
7 TO 10 IN. LBS. SMA

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 ° c TO + 165 ° 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. ) ( 310 VRMS )

## 5. MATERIAL

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY  
UNS-C-17300, TEMPER TD04

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000100 MIN.) OVER NICKEL PER QQ-N-290,  
(.000050 MIN.) OVER COPPER PER MIL-C-14550  
(.000010 MIN.).

INSULATOR \_\_\_\_\_ N/A