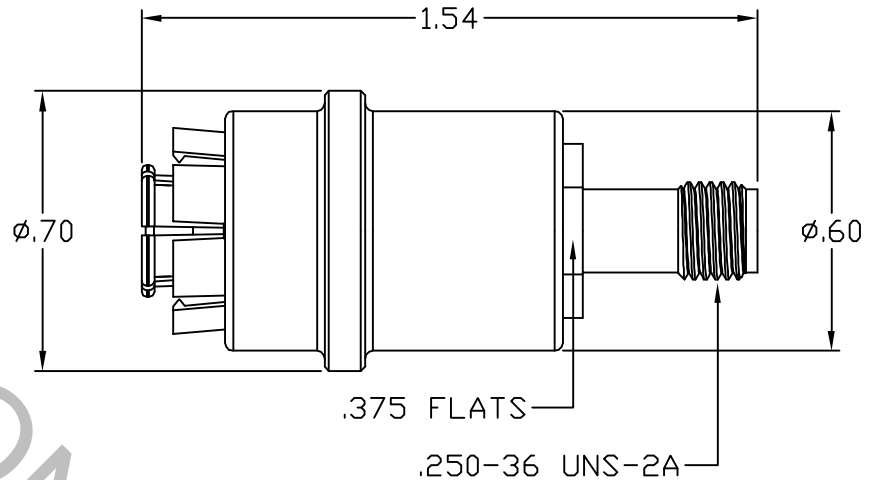
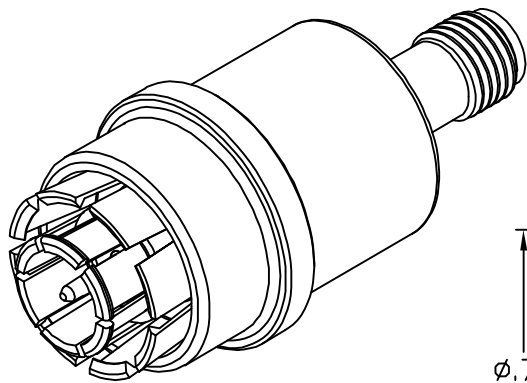


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348
 Fig. 313.1 (TNC PLUG) & 310.2 (SMA JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 6.0 GHz
VSWR (MAX) *	_____	$1.10 + .010 \times \sqrt{F}$ GHz
INSERTION LOSS (dB MAX) *	_____	$.10 \text{ dB} \times \sqrt{F}$ GHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO $+165^{\circ}\text{C}$
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	3.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01835
AA	07-1549	5/22/07	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1'0" X ° X' ± 15'	
				DRAWN DC	DATE 5/22/07	TITLE PUSH-ON TNC PLUG TO SMA JACK ADAPTER	
				APPROVED DC	DATE 5/22/07		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO.	1190-8299-6200

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) _____ SMA INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ SMA INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ SMA 7 - 10 IN. LBS.

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.) (190 VRMS)

5. MATERIAL

BODY & SHROUD _____ STAINLESS STEEL PER ASTM-A-581, TYPE 303, COND. A

CONTACT, INNER & OUTER FINGERS _____ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

INSULATORS _____ TEFLON PER ASTM-D-1710.

6. FINISH

BODY & SHROUD _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

INNER & OUTER FINGERS _____ NICKEL PER QQ-N-290, CLASS 1
(.000200 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM-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 _____ N/A