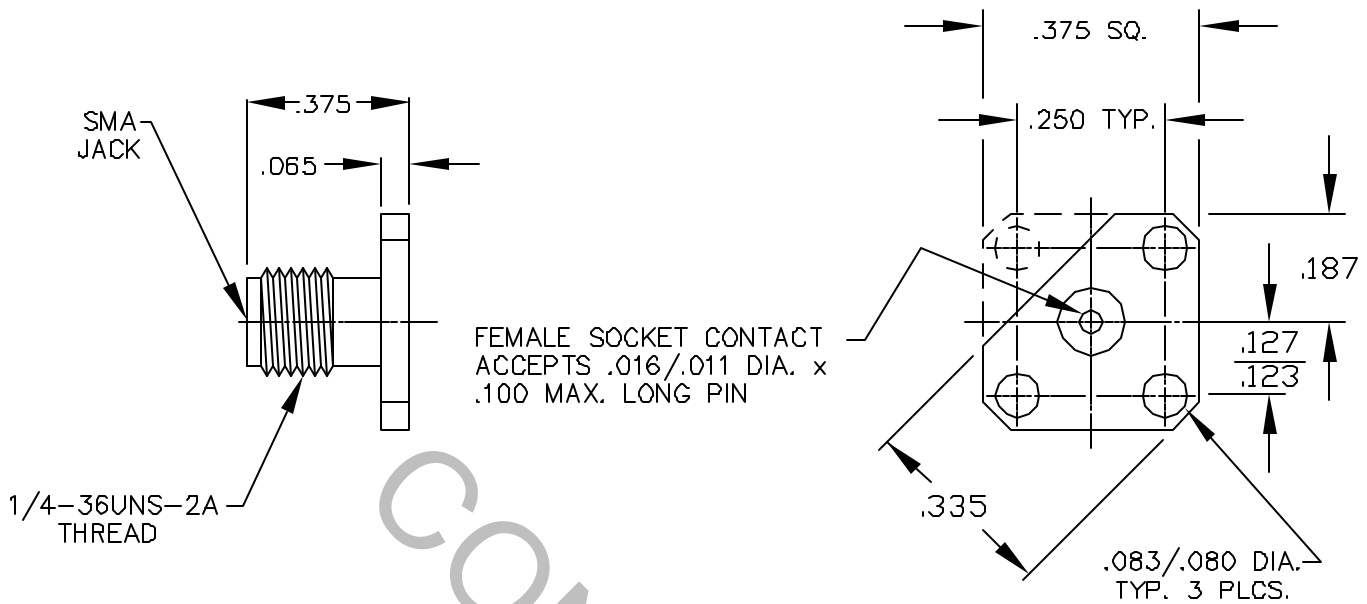


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).

2. ELECTRICAL

FREQUENCY RANGE GHZ	_____	DC TO 26.5 GHz
VSWR (MAX.) *	_____	1.05 + .006 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.04 dB x √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)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• 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	04-1921	8/5/04	DC	DECIMALS FRACTIONAL ANGULAR X ± .030 ± /64 X ° ± 1 8' .XX ± .010 X ° X' ± 15' .XXX ± .005	
				DRAWN TS DATE 8/5/04	TITLE SMA, JACK 3 HOLE FLANGE FIELD REPLACEABLE
				APPROVED DATE	
				CODE IDENT. 2J899	DWG. NO. 9954-0081-6250 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 AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 48.0, 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 MOUNTING TORQUE _____ 7 - 10 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 ATSM 581, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ATSM B198, COPPER ALLOY
NO. UNS 17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ATSM D1710.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE II.

CONTACT _____ GOLD PER ATSM B 488, CODE C, CLASS 2.5
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR _____ N/A