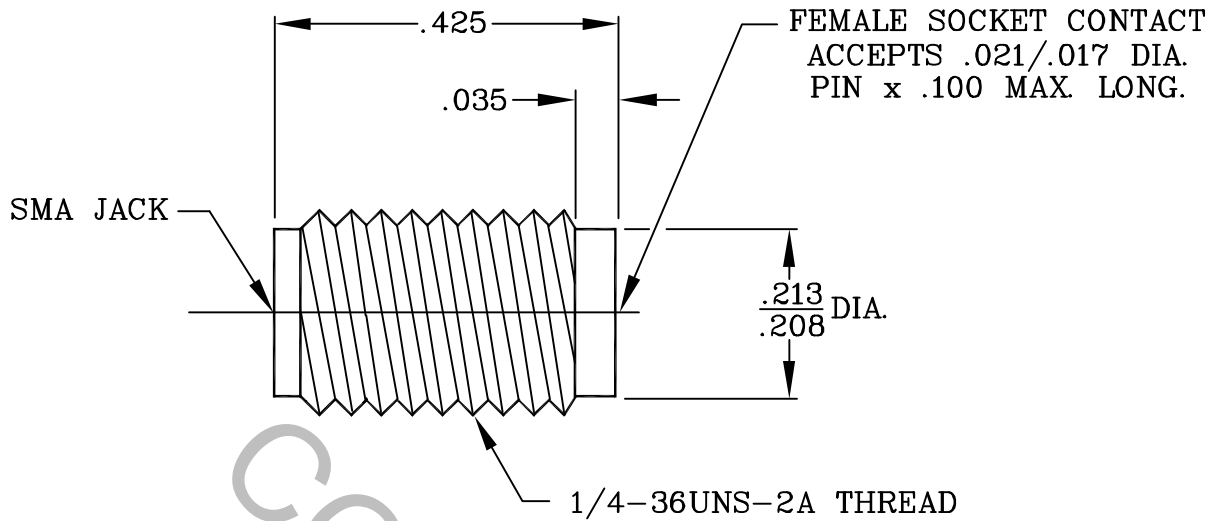


SPECIFICATION CONTROL DRAWING




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) *	_____	.03 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)	_____	10,000
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
-	981	6/93	M. B.	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	M. B.	DATE 6/93	TITLE SMA, JACK SCREW-IN MIC. PACKAGE
				APPROVED		DATE 6/93	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9930-0081-6422
				2J899			

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 MATING TORQUE

- INTERFACE _____ 7 - 10 INCH LBS.
- PACKAGE _____ 27 - 30 INCH 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 ASTM A 581,TYPE 303, COND. A.
- CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
- INSULATOR _____ PER ASTM D 4894-91

6. FINISH

- BODY _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 1. OVER NICKEL PER QQ-N-290. (.00010 MIN. THK.)
- CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2 (.000100 Minimum Thickness) OVER NICKEL PER QQ-N-290,CLASS 1 (.000100 Minimum Thickness) OVER COPPER PER MIL-C-14550 (.000010 Minimum Thickness).
- INSULATOR _____ N/A