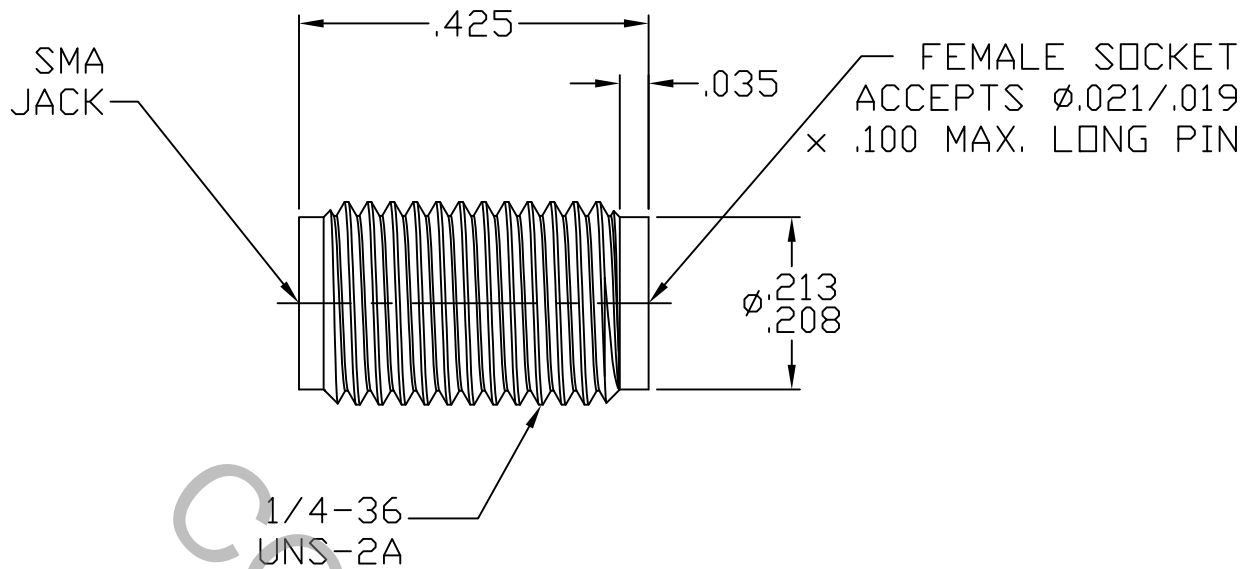


SPECIFICATION CONTROL DRAWING



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

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
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)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

RoHS

* TERMINATED IN A 50 OHM LOAD

COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES			 <small>HAVERHILL, MA 01835</small>	
				DECIMALS	FRACTIONAL	ANGULAR		
AA	10-1716	8/9/10	TS	.X ± .030	± 1/64	X ° ± 1° 0'	TITLE SMA JACK, THREAD-IN MIC. PACKAGE	
AB	10-1772	8/20/10	TS	.XX ± .010		X ° X' ± 15'		
				.XXX ± .005				
AC	12-1962	10/17/12	TS	DRAWN	TS	DATE		8/9/10
AD	12-2089	11/8/12	TS	APPROVED DC DATE 8/9/10				
BA	13-1614	4/25/13	TS					
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9930-0081-6224	
				2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 4.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX OUNCES) _____ INTERFACE 32.0, REAR 36.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 1.0, REAR 1.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

RECOMMENDED MOUNTING TORQUE _____ 27 - 30 IN. LBS.

4. ENVIRONMENTAL

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)

5. MATERIAL

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

CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/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

BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100-.000150 THK.) OVER NICKEL PER SAE AMS-QQ-N-290, C; ASS 1
(.000050-000120 THK.).

INSULATOR _____ N/A