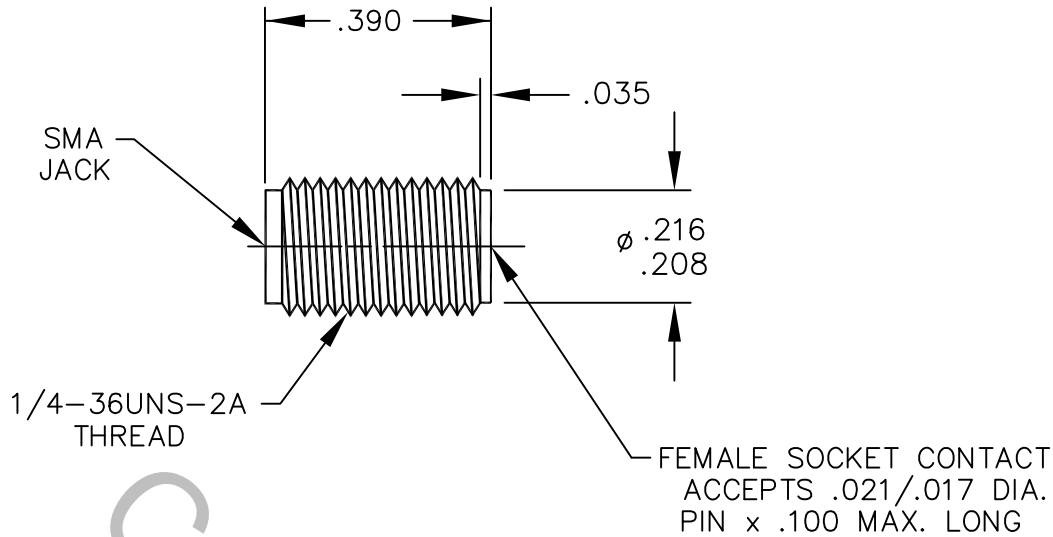


SPECIFICATION CONTROL DRAWING



NOTE:
 THE CUSTOMER MUST BE CONTACTED TO GET MATING PART PIN SIZE BEFORE INSERTION/WITHDRAWAL TESTING. FOR .020 USE .021/.019 AND FOR .018 USE .019/.017.


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.) *	_____	1.06 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.035 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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	98-0784	8/18/98	TS	.X ±.030 .XX ±.010 .XXX ±.005	±/64	X ° ±1'0" X ° X' ±15'	TITLE SMA, JACK THREADED BARREL
AB	10-1124	2/8/10	DC				
AC	11-1529	6/15/11	TS	DRAWN	AH	DATE 8/17/98	
AD	11-1809	9/19/11	DC	APPROVED	TS	DATE 8/18/98	
				CODE IDENT.	SHEET 1 OF 2		
				2J899			DWG. NO. 9930-0081-6289

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX.AXIAL FORCE _____ 6.0 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES INT. REAR
● INSERTION (MAX. OUNCES) _____ 48.0 _____ 32.0
● WITHDRAWAL (MIN. OUNCES) _____ 2.0 _____ 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.
INTERFACE _____ 7 - 10 IN. LBS.
PACKAGE _____ 27 - 30 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 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-1711-02, 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 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)
INSULATOR _____ N/A