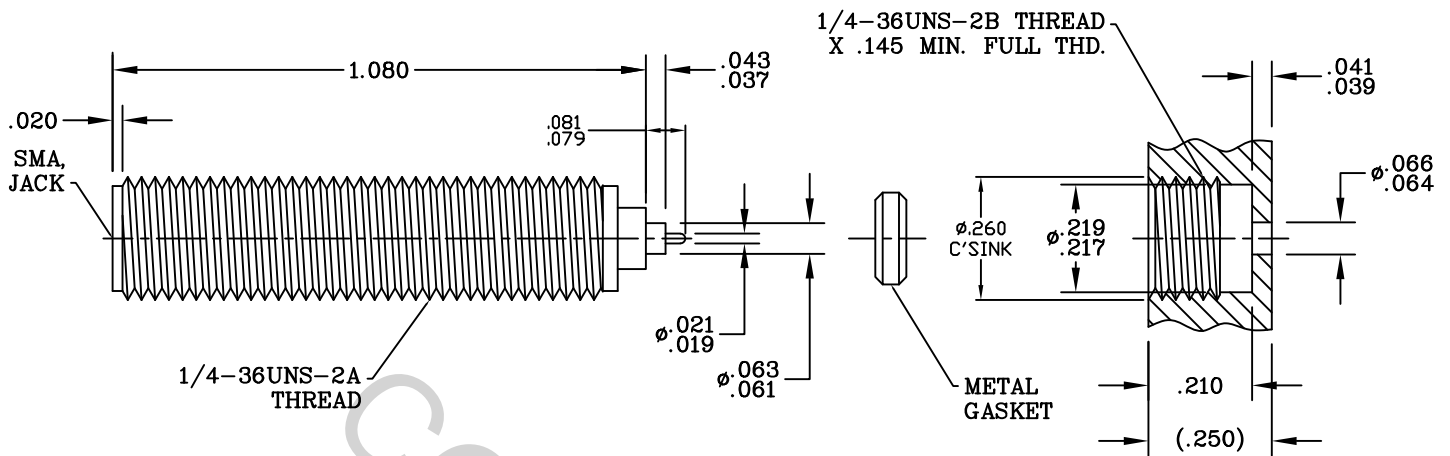


SPECIFICATION CONTROL DRAWING



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) *	_____	1.15 + .025 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 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)	_____	12.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES				INCORPORATED HAVERHILL, MA 01835
AA	03-1415	3/31/03	DC	DECIMALS	FRACTIONAL	ANGULAR		
AB	14-1307	3/14/14	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X'X ± 15'		
AC	14-1338	3/20/14	DC	DRAWN	GE	DATE	3/28/03	TITLE SMA, JACK SPARK PLUG HERMETICALLY SEALED, MIC. PKG. METAL GASKET
AD	14-1349	3/24/14	DC	APPROVED	DC	DATE	3/28/03	
AE	18-1735	7/13/18	DC					
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9930-0431-6410
				2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
 MIN. AXIAL FORCE _____ 6.0 LBS.
 MIN. RADIAL TORQUE _____ N/A
 CENTER CONTACT AXIAL FORCES
 ● INSERTION (MAX. OUNCES) _____ 48.0
 ● WITHDRAWAL (MIN. OUNCES) _____ 2.0
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.
 RECOMMENDED MOUNTING TORQUE _____ 20 - 23 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, 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-1710, TYPE 1, GRADE 1, CLASS B.
 GLASS PIN _____ KOVAR PER MIL-I-23011
 GLASS _____ CORNING 7070
 METAL GASKET _____ CARBON STEEL PER B113, CASE HARDENED

6. FINISH

BODY AND GLASS PIN _____ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)
 CONTACT _____ GOLD PER ASTM-B-488, TYPE II, 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.)
 METAL GASKET _____ NICKEL PER MIL-C-26074, CLASS 1 (.00010 MIN. THK.) OVER COPPER PER AMS-2418, CLASS 4 (.00010 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)
 INSULATOR AND GLASS _____ N/A