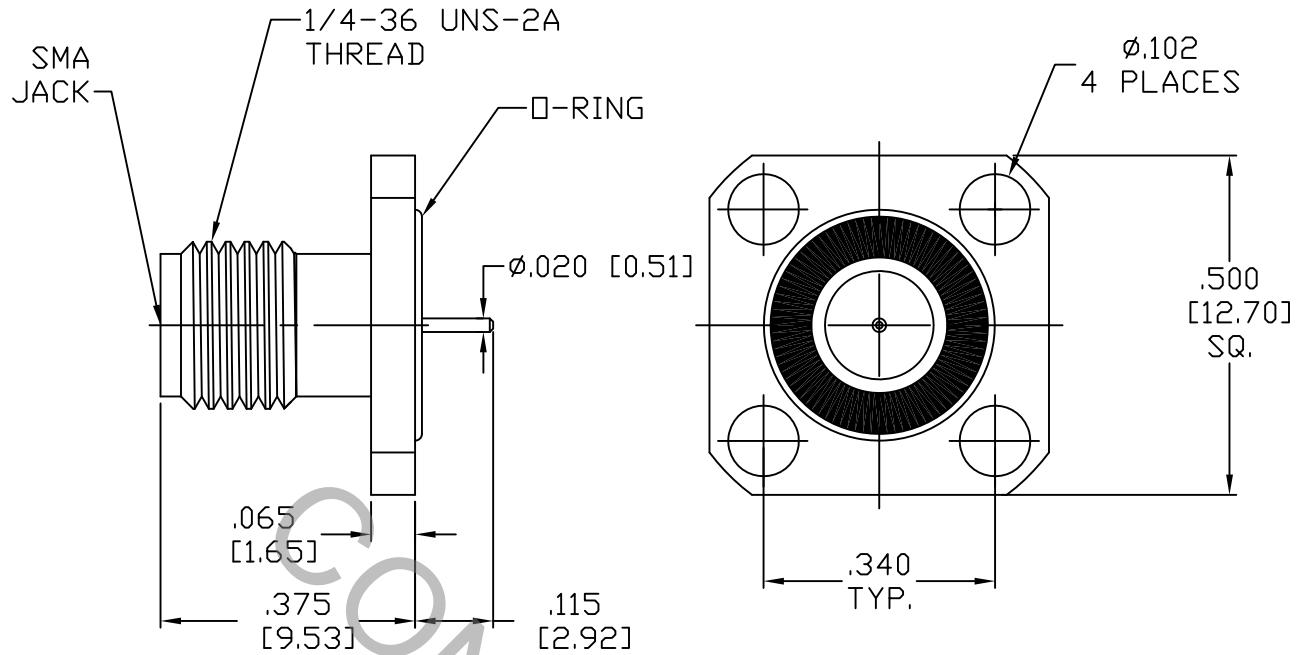


SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	1.04 + .008 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)	_____	12.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

*TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
AA	09-1522	7/9/09	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1 0' X ° X' ± 15'	
				DRAWN	TS	DATE 7/9/09	TITLE SMA, JACK 4 HOLE FLANGE HERMETICALLY SEALED .020 DIA. PIN TERMINAL
				APPROVED	DC	DATE 7/9/09	
				CODE IDENT.			DWG. NO. 9954-0431-6200
				2J899	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) _____	32.0
● WITHDRAWAL (MIN. OUNCES) _____	2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____	2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____	500
RECOMMENDED MATING TORQUE	
● INTERFACE _____	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)
HERMETICITY _____	1×10^{-8} cc/SEC.

5. MATERIAL

BODY _____	STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
CONTACT _____	BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.
INSULATOR _____	TEFLON PER ASTB D 1710-02, TYPE 1, GRADE 1, CLASS B.
GLASS PIN _____	KOVAR PER MIL-I-23011
GLASS _____	CORNING 7070
O'RING _____	ETHYLENE PROPLENE PER ASTM D 2000-70.

6. FINISH

BODY _____	PASSIVATE PER AMS QQ-P-35A, TYPE 2.
GLASS PIN _____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25, (.000050 MIN. THK.) OVER NICKEL per QQ-N-290, CLASS 1, (.000150 MIN. THK.)
CONTACT _____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5, (.000100 MIN. THK.) OVER NICKEL per QQ-N-290, (.000050 MIN. THK.) OVER COPPER per MIL-C-14550, (.000010 MIN. THK.)
GLASS, INSULATOR AND O'RING _____	N/A