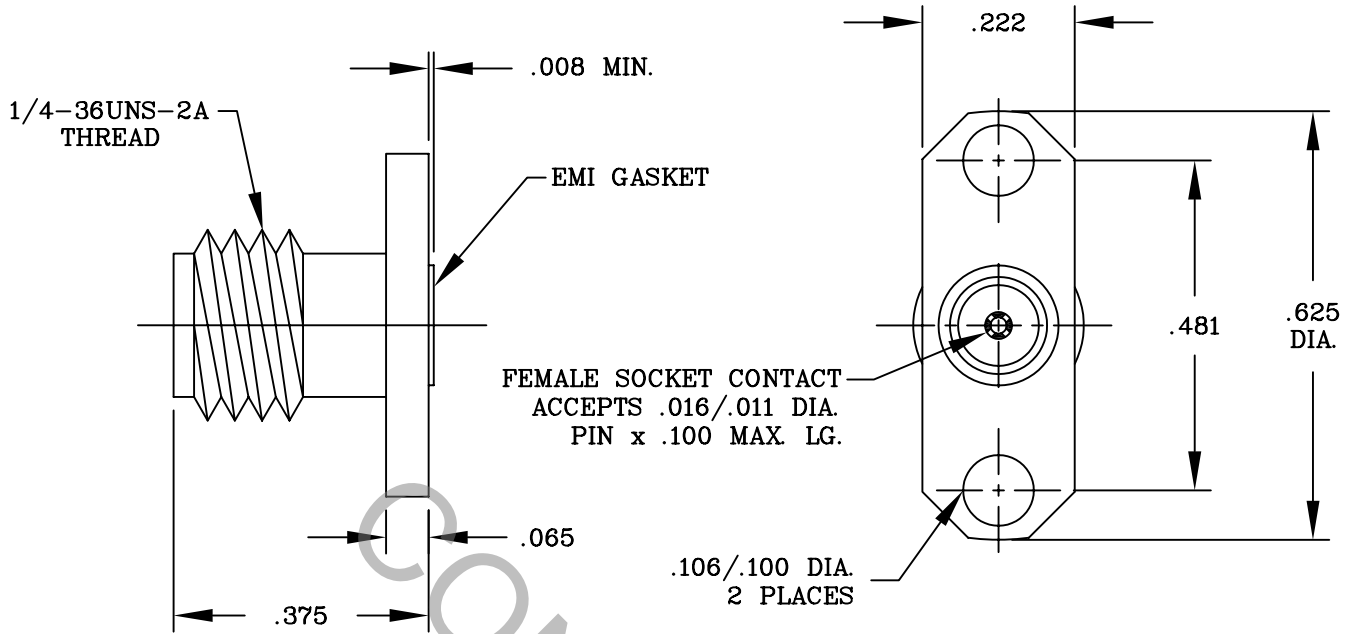


SPECIFICATION CONTROL DRAWING




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	
				DECIMALS	FRACTIONAL	ANGULAR		
AA	01-0767	8/1/01	TS	.X +.030 .XX ±.010 .XXX ±.005	±1/64	X ° ±1' 0" X ° X' ± 15"	TITLE FIELD REPLACEABLE SMA, JACK, 2 HOLE FLANGE .481 HOLE SPACING	
AB	06-1936	8/2/06	TS	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.				
				DRAWN	KLF	DATE	8/1/01	DWG. NO. 9952-0781-6216
				APP.	TS	DATE	8/1/01	
				CODE IDENT.		SHEET 1 OF 2		
				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 _____ 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)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM A 581, FREE MACHINING, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY NO. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON; PTFE MOLDING AND EXTRUSION MATERIAL PER ASTM-D1710

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE RUBBER

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.000010 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.)

INSULATOR AND EMI GASKET _____ N/A