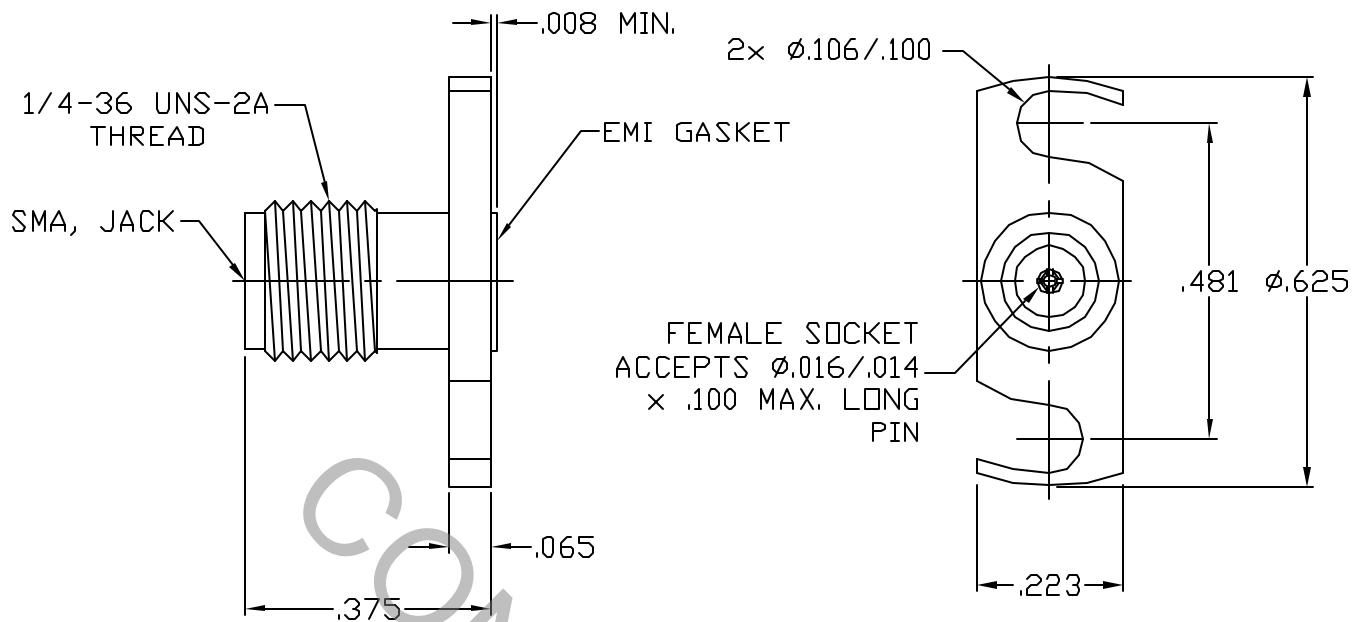


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).
AND DYNAWAVE SPECIFICATION MD-99.

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
AA	05-1843	8/23/05	TS	DECIMALS X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± /64	ANGULAR X ° ± 1' 0" X ° X' ± 15'	
				DRAWN	TS	DATE 8/23/05	TITLE SMA, JACK 2 HOLE FLANGE FIELD REPLACEABLE TWIST FLANGE
				APPROVED	DC	DATE 8/23/05	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9952-0781-6218
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX. AXIAL FORCE	_____	6.0 LBS.
MAX. RADIAL TORQUE	_____	4.0 IN. OZ.
CENTER CONTACT AXIAL FORCES		
● INSERTION (MAX. OUNCES)	_____	INTERFACE 48.0 OZ. / FLANGE 32.0 OZ.
● WITHDRAWAL (MIN. OUNCES)	_____	INTERFACE 2.0 OZ. / FLANGE END 1.0 OZ.
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.) (19D VRMS)

5. MATERIAL

BODY	_____	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT	_____	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C 17300, TEMPER HT
INSULATOR	_____	TEFLON PER ASTM D 1710
EMI GASKET	_____	SILVER PLATED ALUMINUM IN SILICONE

6. FINISH

BODY	_____	PASSIVATE PER AMS QQ-P-35, TYPE II
CONTACT	_____	GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290 (.000050 Minimum Thickness) OVER COPPER PER MIL-C-14550 (.000010 Minimum Thickness).
INSULATOR	_____	N/A
EMI GASKET	_____	N/A