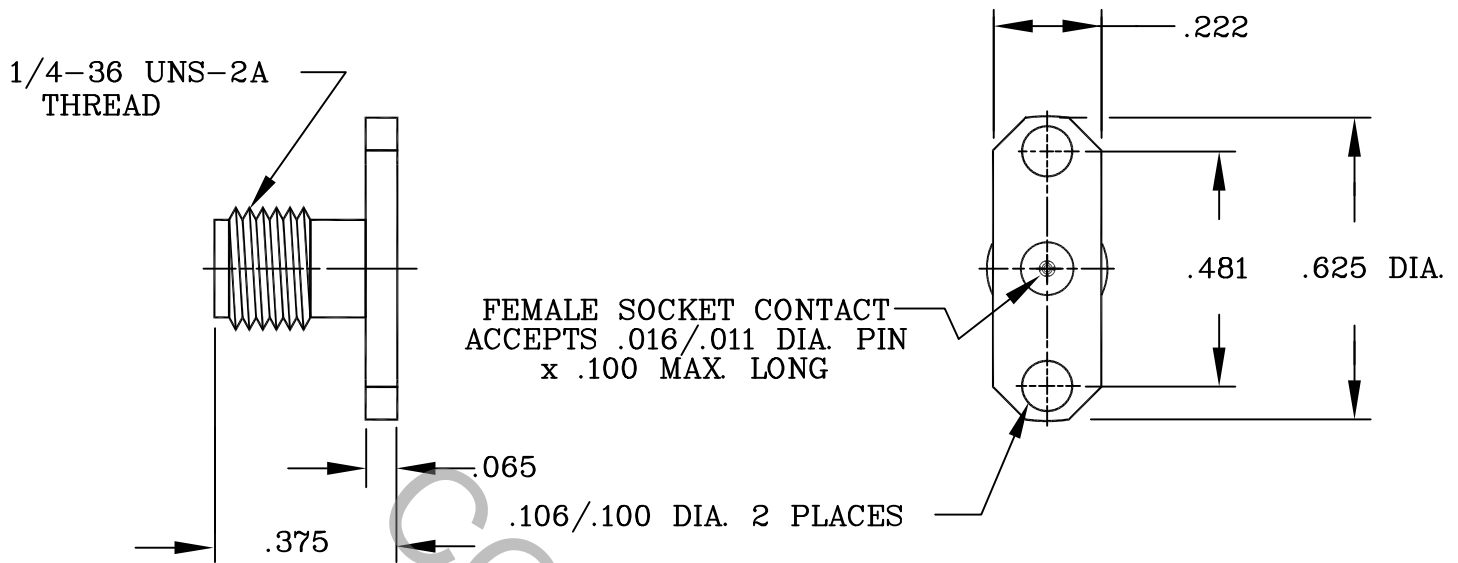


SPECIFICATION CONTROL DRAWING




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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 dynawave INCORPORATED HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	321	4/87	DGG	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 10' X ° X' ± 15'	
A	601	11/88	DGG				
AA	11-1154	2/16/11	DC	DRAWN	CDM	DATE 4/87	TITLE FIELD REPLACEABLE, SMA, JACK, 2 HOLE FLANGE .481 HOLE SPACING
				APPROVED	DGG	DATE 4/87	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9952-0081-6215
				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 40.0; REAR 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0; REAR 1.0

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-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