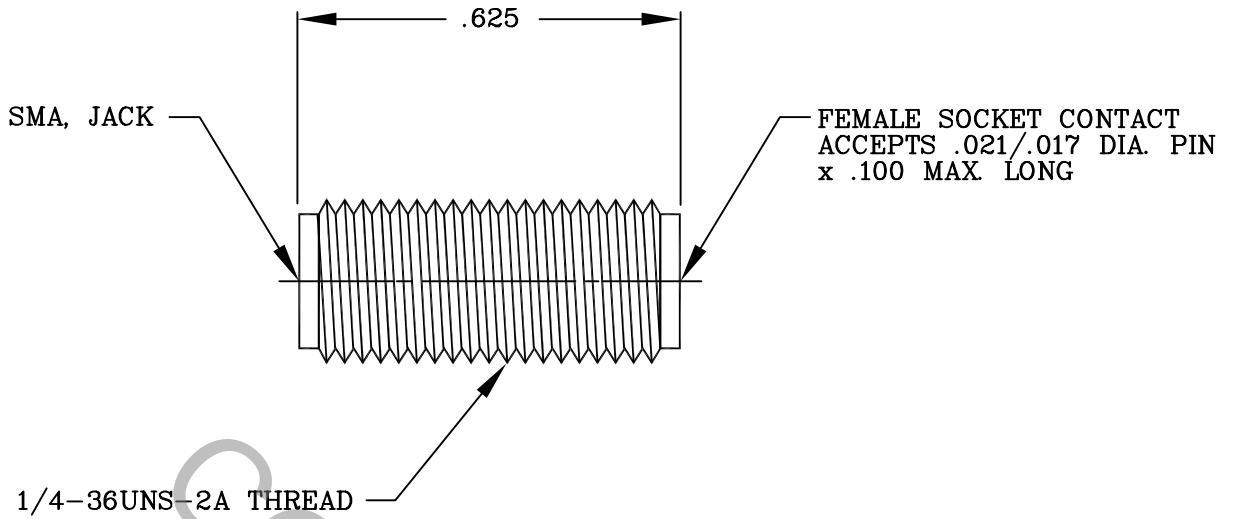


SPECIFICATION CONTROL DRAWING



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			dynawave <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	06-1712	6/2/06	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
				DRAWN	T.S.	DATE	TITLE SMA, JACK SCREW-IN MIC. PACKAGE
				APPROVED	DC	DATE	
							DWG. NO. 9930-0081-6253

CODE IDENT.
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) _____ 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

INTERFACE _____ 7 - 10 INCH LBS.

PACKAGE _____ 27 - 30 INCH 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, TYPE 303.

CONTACT _____ BERYLLIUM COPPER PER ASTM B 196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 1710.

6. FINISH

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

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR _____ N/A