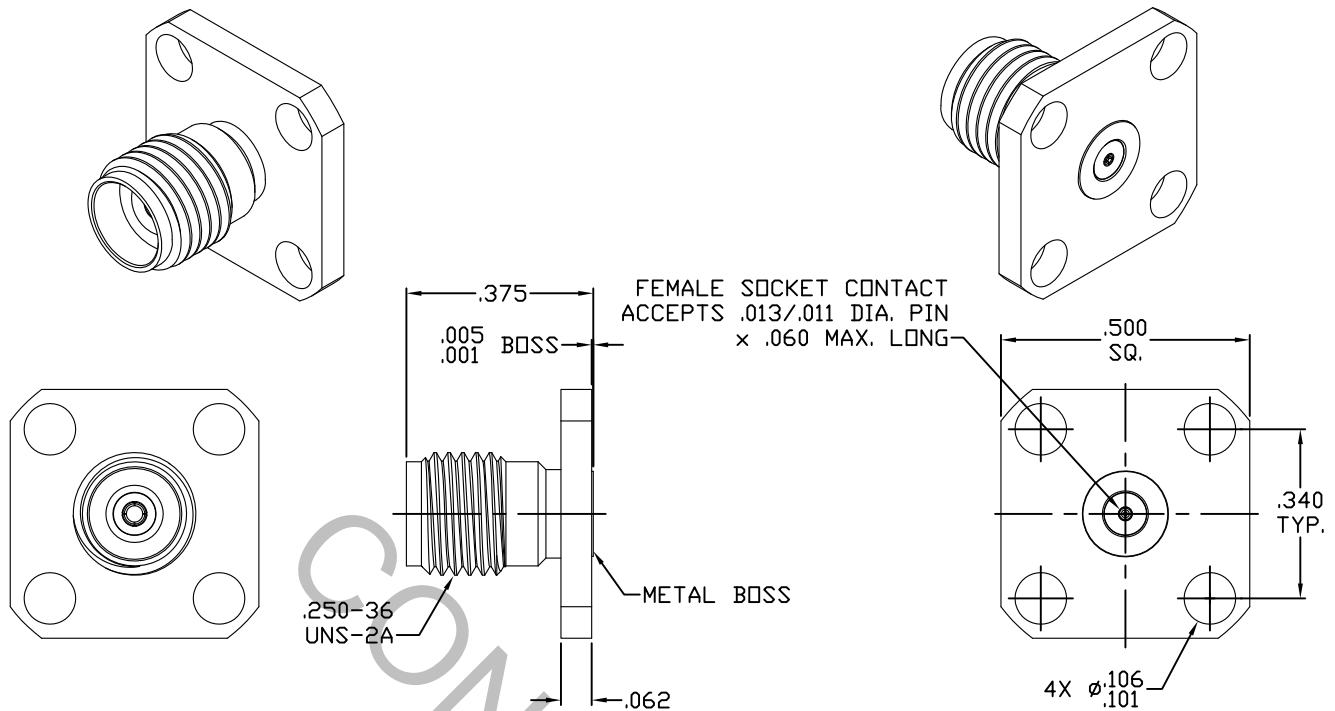


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNWAVE SPECIFICATION MD-99-46.

2. ELECTRICAL

FREQUENCY RANGE GHZ	_____	DC TO 46.0 GHz.
VSWR (MAX.) *	_____	1.06 + .007 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.035 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)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

*TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	03-2408	11/6/03	DC	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1'0" X ° X' ± 15'	TITLE SMA, JACK 4 HOLE FLANGE MAX. FREQ. 46.0 GHZ
BA	16-2269	10/13/16	DC				
				DRAWN BN		DATE 11/5/03	
				APPROVED DC		DATE 11/6/03	
				CODE IDENT. 2J899		SHEET 1 OF 2	DWG. NO. 9954-0081-6290

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX.AXIAL FORCE _____ 6.0 LBS.

MAX. RADIAL TORQUE _____ 2.5 IN./OZ.

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 & PRESS SLEEVE _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

PRESS SLEEVE _____ GOLD PER ASTM B 488, TYPE 1, 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 (.000040 MIN. THK.)
OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, 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