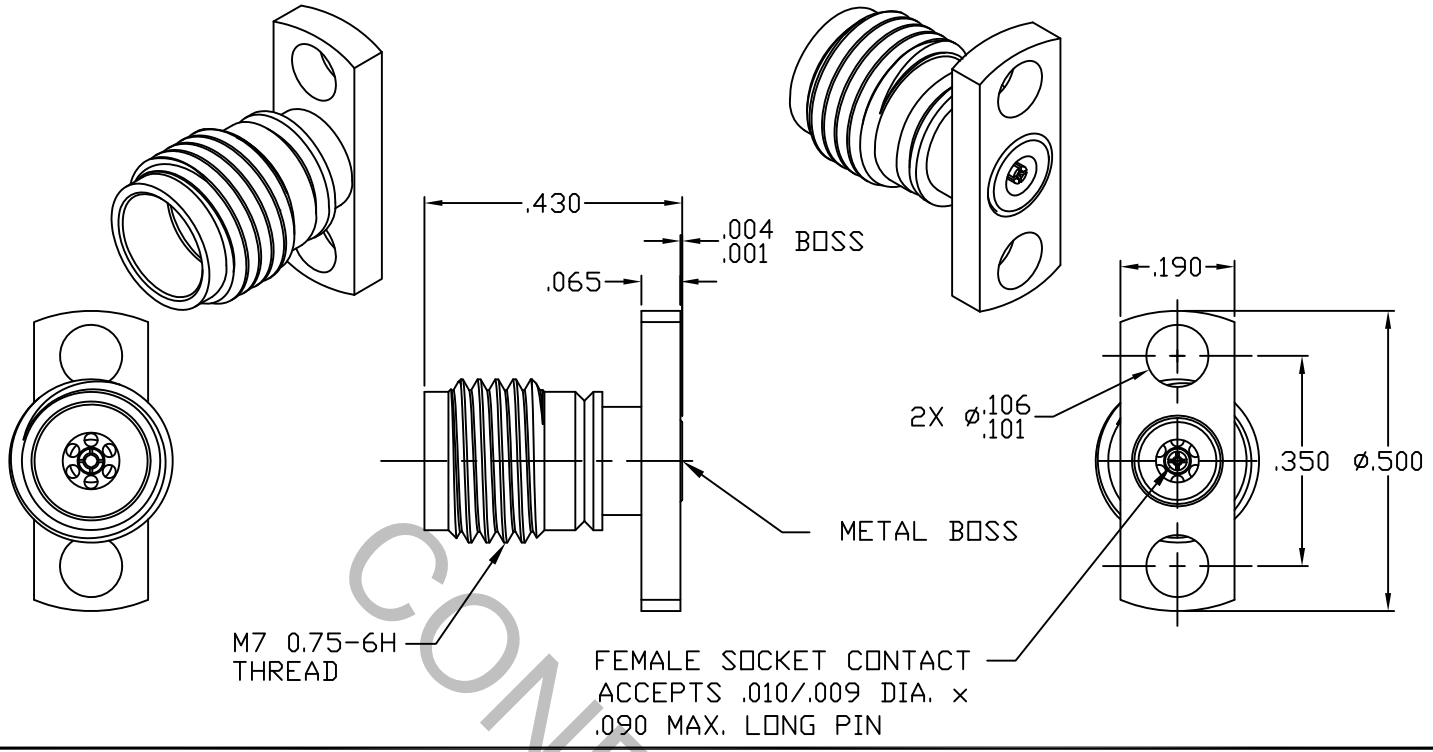
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS FOR 2.4mm FEMALE PER MD-13-1

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 50.0 GHz
VSWR (MAX.) ❋	1.05 + .005 x FGHz
INSERTION LOSS (dB MAX.) ❋	.03 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 125° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• 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.
AA	05-1026	1/7/05	DC
AB	16-2113	9/9/16	DC
AC	17-1813	6/27/17	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN SS DATE 1/7/05

APPROVED DC DATE 1/7/05

TITLE
2.4mm, FEMALE
2 HOLE FLANGE
FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1352-0085-6209

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX.AXIAL FORCE — 4.5 LBS.
- MAX. RADIAL TORQUE — N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) — INTERFACE 32.0, REAR 24.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 1.5, REAR 1.0

CONNECTOR DURABILITY (MIN. CYCLES) — 500

MATING TORQUE — 8-10 INCH LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C (-55° c TO + 125° 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.) (125 VRMS)

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5. MATERIAL

BODY & PRESS SLEEVE	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACTS	BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY NO. UNS C 17800, TEMPER TD04
INSULATOR	POLYSTYRENE, LOW LOSS, CROSS LINKED

6. FINISH

BODY	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
PRESS SLEEVE	GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)
CONTACTS	GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 0.75 (.000030 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