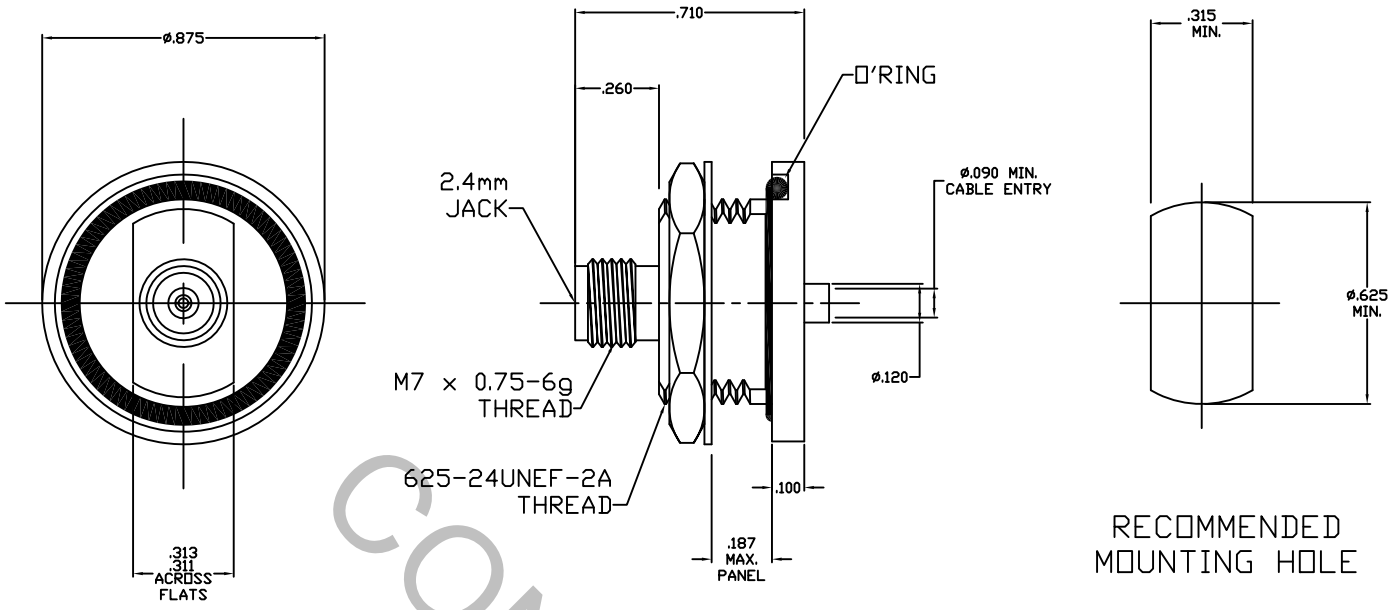
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS Per MD-13-1 (2.4mm JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX.) ❋	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX.) ❋	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	210
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65 ° c TO + 165 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	625
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.
AA	10-1615	7/20/11	TS
AB	17-1793	6/22/17	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 TS DATE 7/20/11

APPROVED DC DATE 7/20/11

TITLE 2.4mm JACK BULKHEAD MOUNT DIRECT SOLDER TO ø.085 S.R. CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1310-8521-6400

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)	32.0 OZ.
● WITHDRAWAL (MIN. OUNCES)	2.0 OZ.
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
SMA RECOMMENDED MATING TORQUE	7 – 10 IN. LBS.
BULKHEAD RECOMMENDED MATING TORQUE	30 – 35 IN. LBS.

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4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 °c TO + 165 °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.) (310 VRMS)

5. MATERIAL

BODY AND LOCKNUT	STAINLESS STEEL PER ASTM–A–582, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS C 17300, TEMPER TD04.
LOCKWASHER	STAINLESS STEEL 400 SERIES.
INSULATOR	TEFLON PER ASTM–D–1710, TYPE 1, GRADE 1, CLASS B.
O'RING	SILICONE RUBBER PER ZZ–R–765E, CLASS 1 OR ASM 3304.

6. FINISH

BODY	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 1.25 (.000050 Min.Thk.) OVER NICKEL PER SAE AMS QQ–N–290, CLASS 1 (.000050 Min. Thk.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
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 AND O'RING	N/A
LOCKNUT AND LOCKWASHER	PASSIVATE PER ASTM 2700, TYPE 2, CLASS 4.