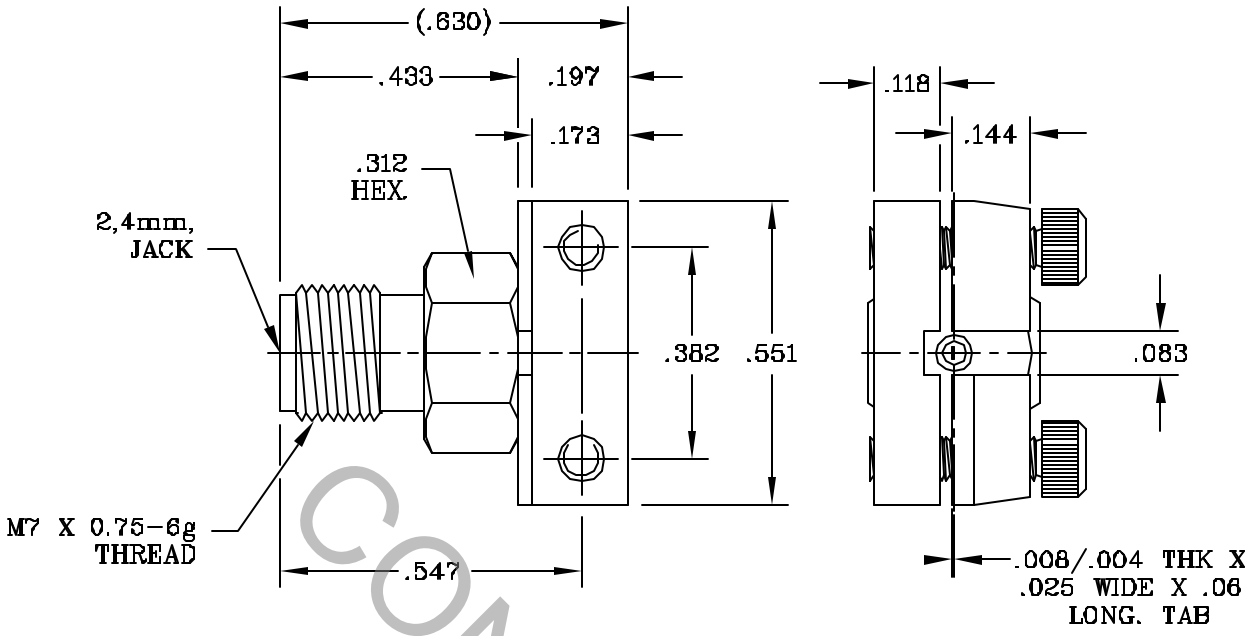
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS FOR 2.4mm PER DYNAWAVE MD-13-2.4

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 50.0 GHz
VSWR (MAX.) ❁	1.05 + .008 x FGHz
INSERTION LOSS (dB MAX.)	.035 dB x $\sqrt{FGHz}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.0

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	02-1121		

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: X ±.030, .XX ±.010, .XXX ±.005 | FRACTIONAL: 1/64 | ANGULAR: X °±1 'o', X °X' ± 15'
SURFACE ROUGHNESS 63 √ MIL-STD-10.

dynawave INCORPORATED
HAVERHILL MA. 01835

DRAWN G.E. DATE 12/13/02

APPROVED DATE

TITLE
2.4mm, JACK,
EDGE MOUNT,
TAB/CAPTIVATED CONTACT

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1323-0555-6400

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)	INTERFACE 32.0 OZ.
● WITHDRAWAL (MIN. OUNCES)	INTERFACE 2.0 OZ.
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 + 150°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

CONNECTOR BODY, PLATE AND SCREWS	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY NO. UNS C17300 TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D4894.

6. FINISH

CONNECTOR BODY, PLATE AND SCREWS	PASSIVATE PER QQ–P–35A, TYPE 2
CONTACT	GOLD per ATSM B 488, TYPE I, CODE C, CLASS 2.5 (.000100 Minimum Thickness) OVER NICKEL per QQ–N–290 (.000050 Minimum Thickness) OVER
INSULATOR	N/A