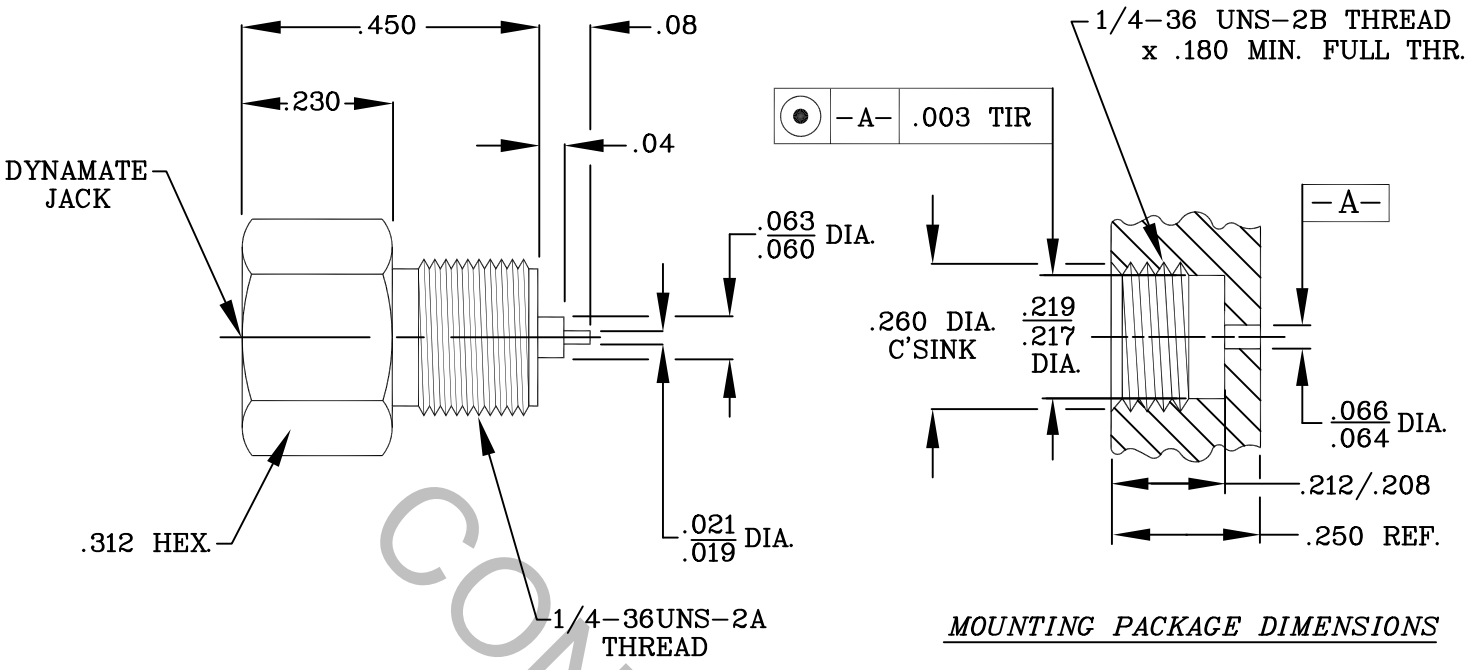
SPECIFICATION CONTROL DRAWING



MOUNTING PACKAGE DIMENSIONS

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1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-29 (DYNAMATE, JACK)
2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX.) ❋	SEE SHEET 3
INSERTION LOSS (dB MAX.)	
• DYNAMATE INTERFACE GAP (.000 to .015)	.035 dB x $\sqrt{FGHz}$
• DYNAMATE INTERFACE GAP (.016 to .030)	.060 dB x $\sqrt{FGHz}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	
• DYNAMATE INTERFACE BOTTOMED (.000 GAP)	100 dB - FGHz
• DYNAMATE INTERFACE GAP (.001 to .015)	90 dB - FGHz
• DYNAMATE INTERFACE GAP (.016 to .030)	75 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.
-	1106	8/94	T.S.
AA	17-1686	5/25/17	DC

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

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN T.S. DATE 8/94
APPROVED T.S. DATE 8/94

TITLE
DYNAMATE, JACK
SCREW-IN
.020 DIA. STRAIGHT TERMINAL

CODE IDENT. 2J899

DWG. NO. 2930-0031-6220

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) ——— 4.5 LBS.
- MIN. RADIAL TORQUE ——— N/A

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) ——— N/A
- WITHDRAWAL (MIN. OUNCES) ——— N/A

DYNAMATE DURABILITY (MIN. MATING) ——— 500

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.) (250 VRMS)
HERMETICITY	1×10^{-8} cc/SEC.

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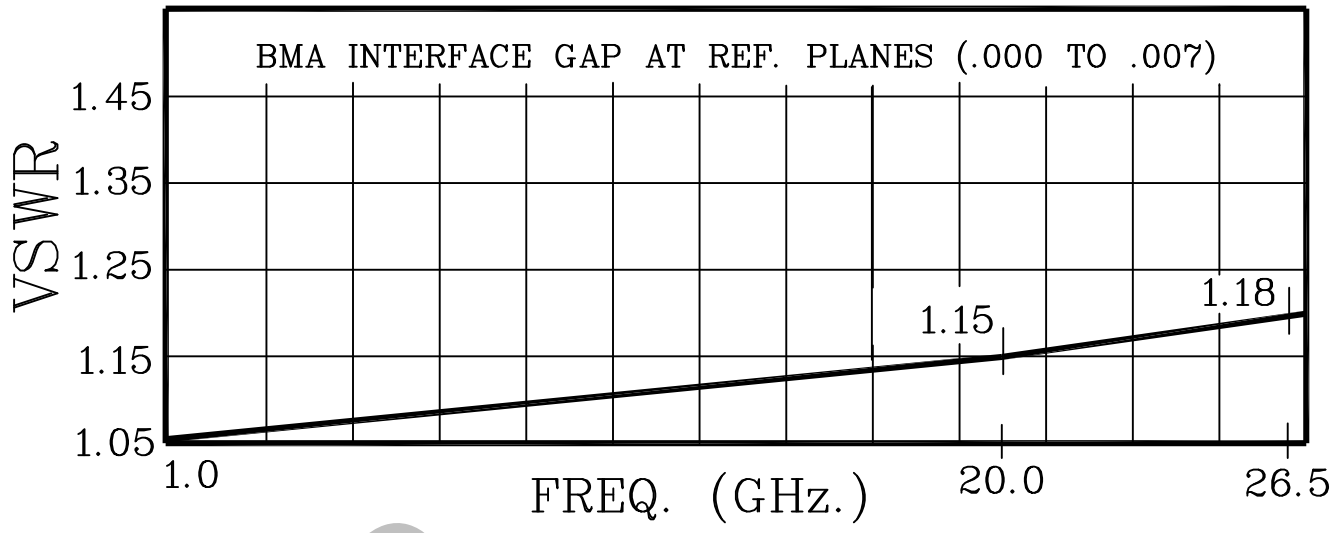
5. MATERIAL

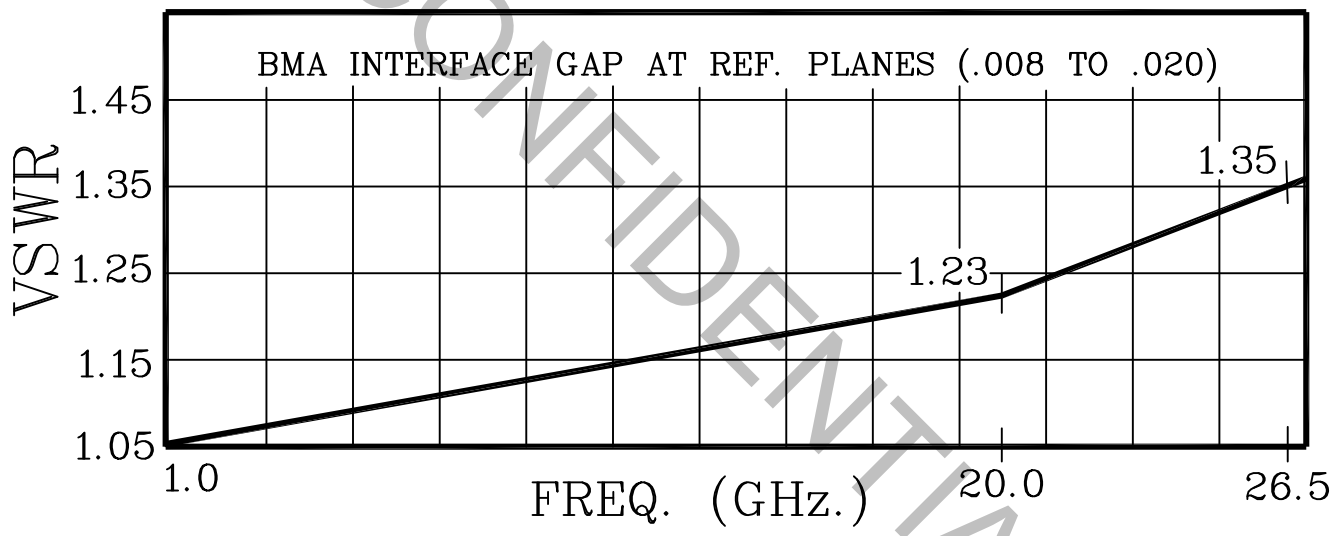
BODY AND COIL SPRINGS	STAINLESS STEEL PER ASTM–A–582, TYPE 303, COND. A.
CONTACT	BERYLLIUM COPPER PER ASTM B196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
HOOD	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
INSULATOR	TEFLON PER ASTM D 1710, TYPE 1, GRADE 1, CLASS B.

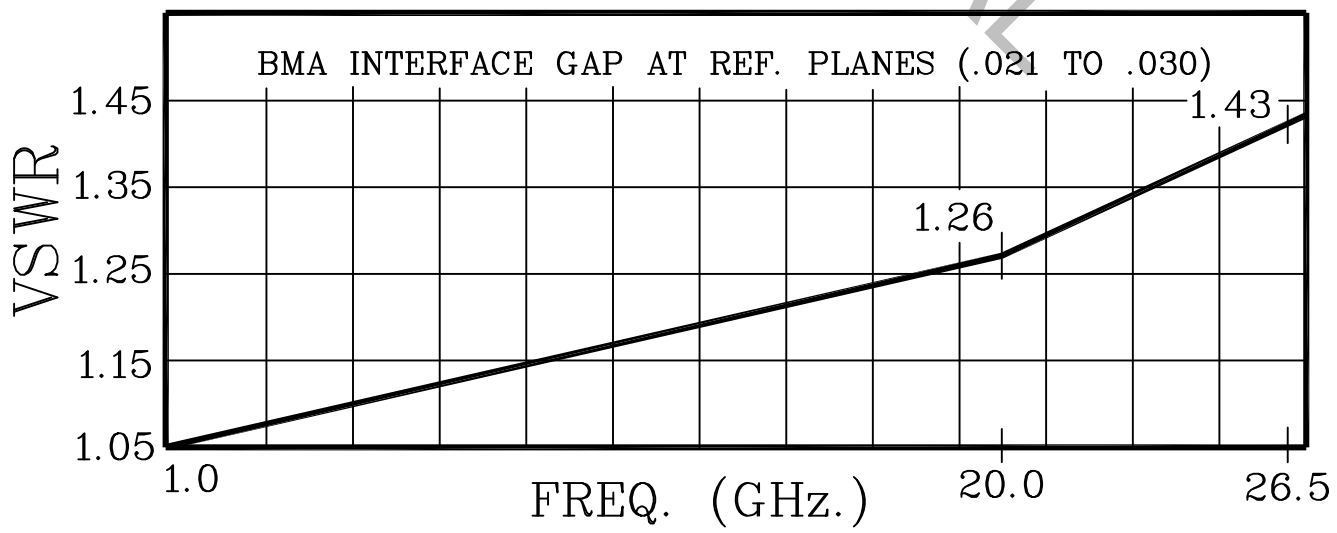
6. FINISH

BODY AND COIL SPRINGS	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
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.)
HOOD	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 (.000040 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
INSULATOR	N/A

SPECIFICATION CONTROL DRAWING







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dynawave INCORPORATED	SHEET 3 OF 3	DWG. NO. 2930-0031-6220	REV. AA