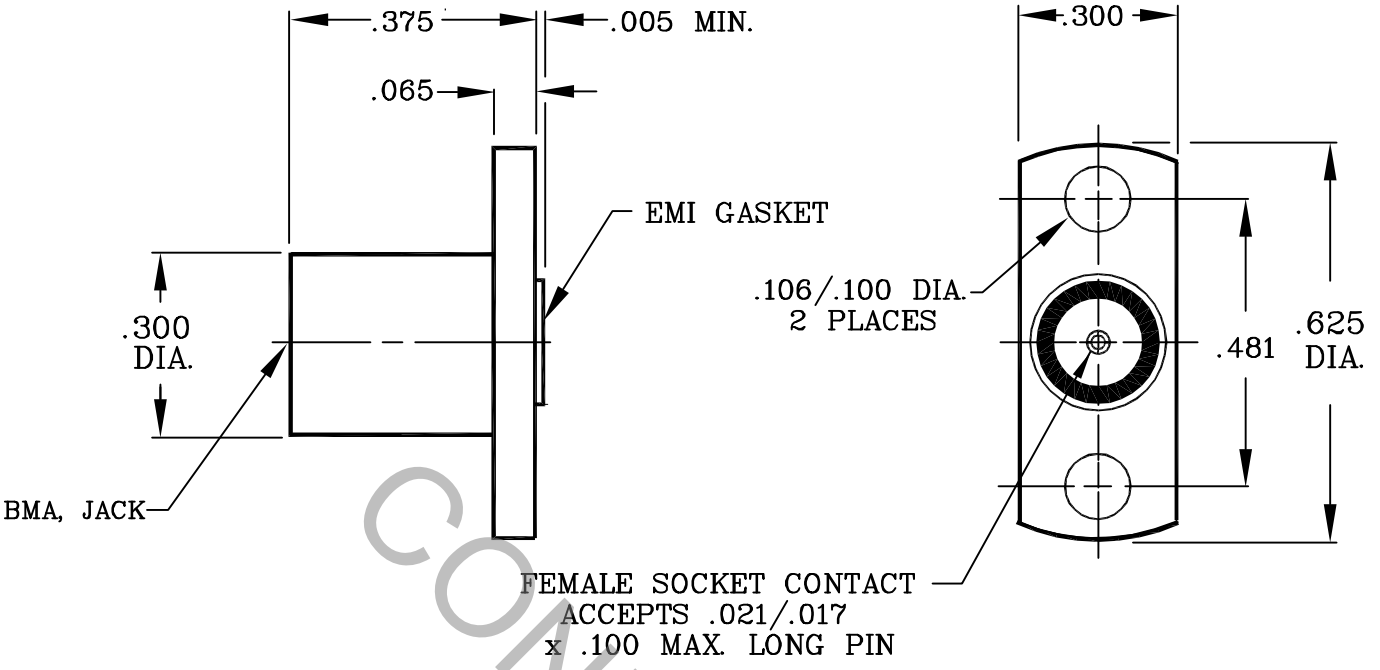
SPECIFICATION CONTROL DRAWING



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1. MATING — INTERFACE DIMENSIONS PER MIL- STD-348A, Fig. 321-2 AND DYNAWAVE SPEC. MD-29-2 (BMA 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 .010)	.035 dB x $\sqrt{FGHz}$
• DYNAMATE INTERFACE GAP (.011 TO .020)	.050 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 (.000 TO .010)	90 dB - FGHz.
• DYNAMATE INTERFACE GAP (.011 TO .020)	75 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO +165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	05-1566	5/10/05	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN TS DATE 5/10/05

APPROVED DC DATE 5/10/05

TITLE
BMA, JACK
2 HOLE FLANGE
FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 3

DWG. NO. 6752-0781-6221

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE — 4.0
- MIN. RADIAL TORQUE — N/A

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) — INTERFACE 48.0, REAR 32.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 2.0, REAR 1.0

DYNAMATE DURABILITY (MIN. MATING) — 500

RECOMMENDED MATING TORQUE — N/A

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.) (190 VRMS)

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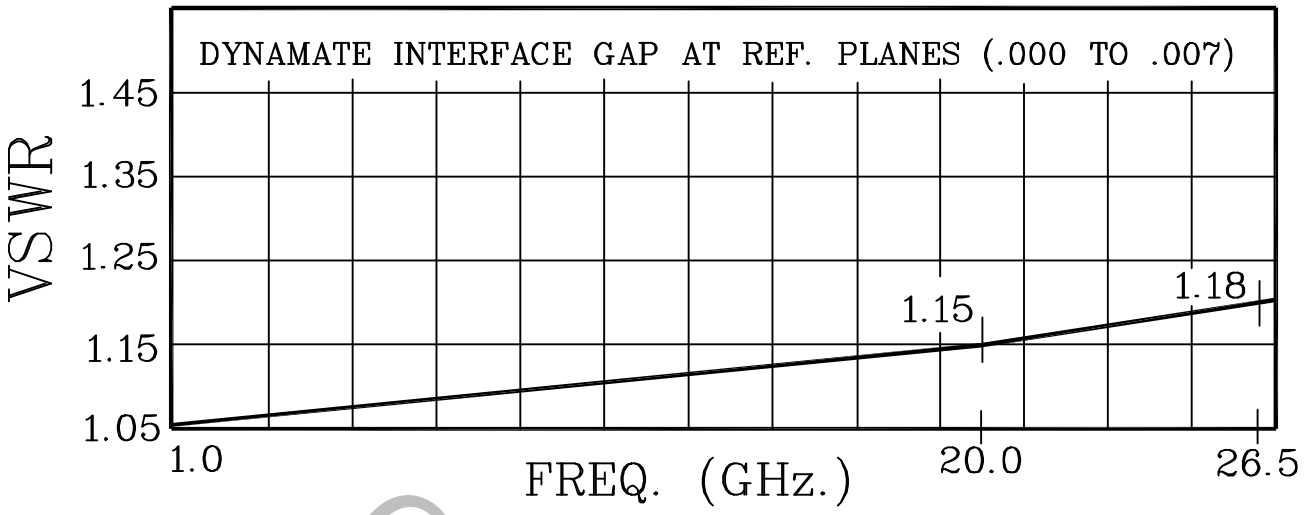
5. MATERIAL

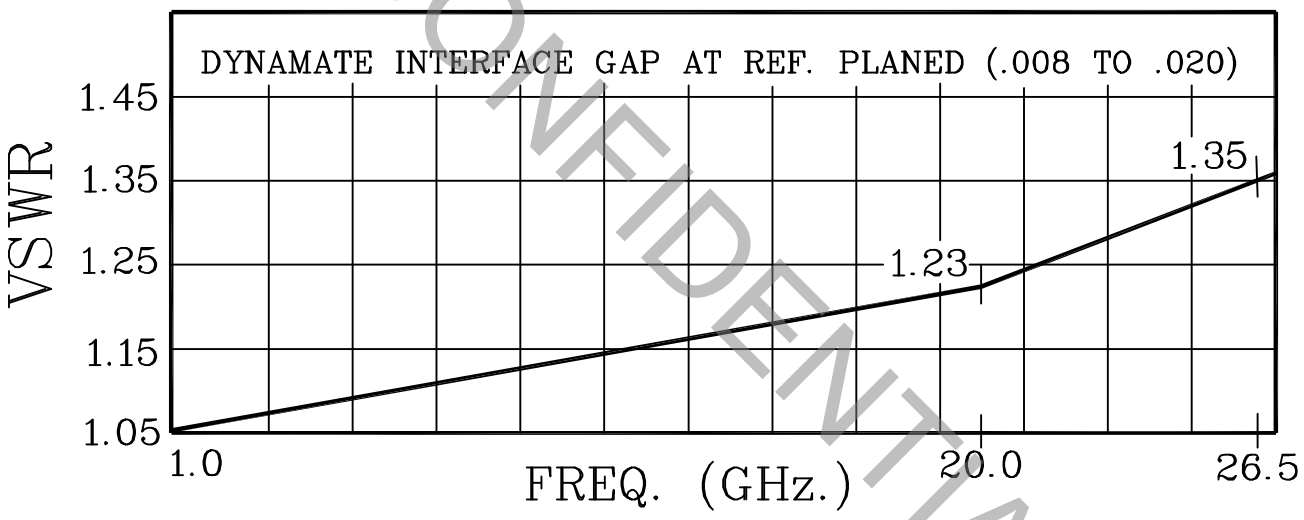
CONNECTOR BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT AND SPRING FINGERS	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 1710
CENTER CONTACT HOOD	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
EMI GASKET	SILVER PLATED ALUMINUM IN SILICONE RUBBER

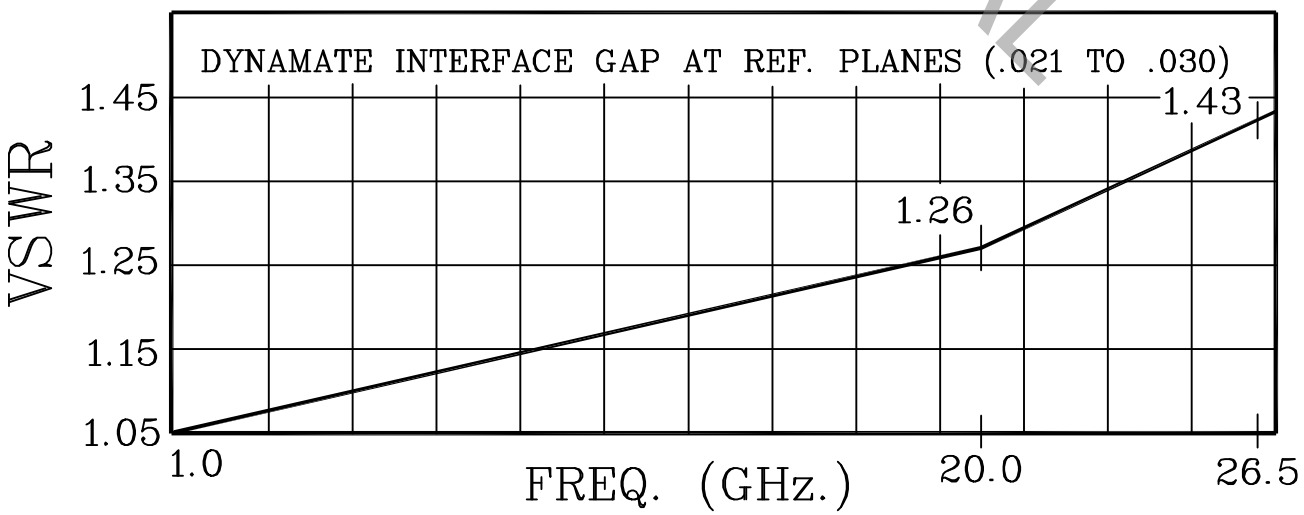
6. FINISH

CONNECTOR BODY	PASSIVATE PER QQ–P–35C, TYPE VI.
CENTER CONTACT ASSEMBLY AND SPRING FINGERS	GOLD PER ATSM B 488, TYPEI, CODE C, CLASS 2.5 (.000100 MINIMUM THICKNESS) OVER NICKEL PER QQ–N–290, CLASS 1 (.000050 MINIMUM THICKNESS) OVER COPPER PER MIL–C–14550 (.000010 MINIMUM THICKNESS).
INSULATOR AND EMI GASKET	N/A

SPECIFICATION CONTROL DRAWING







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