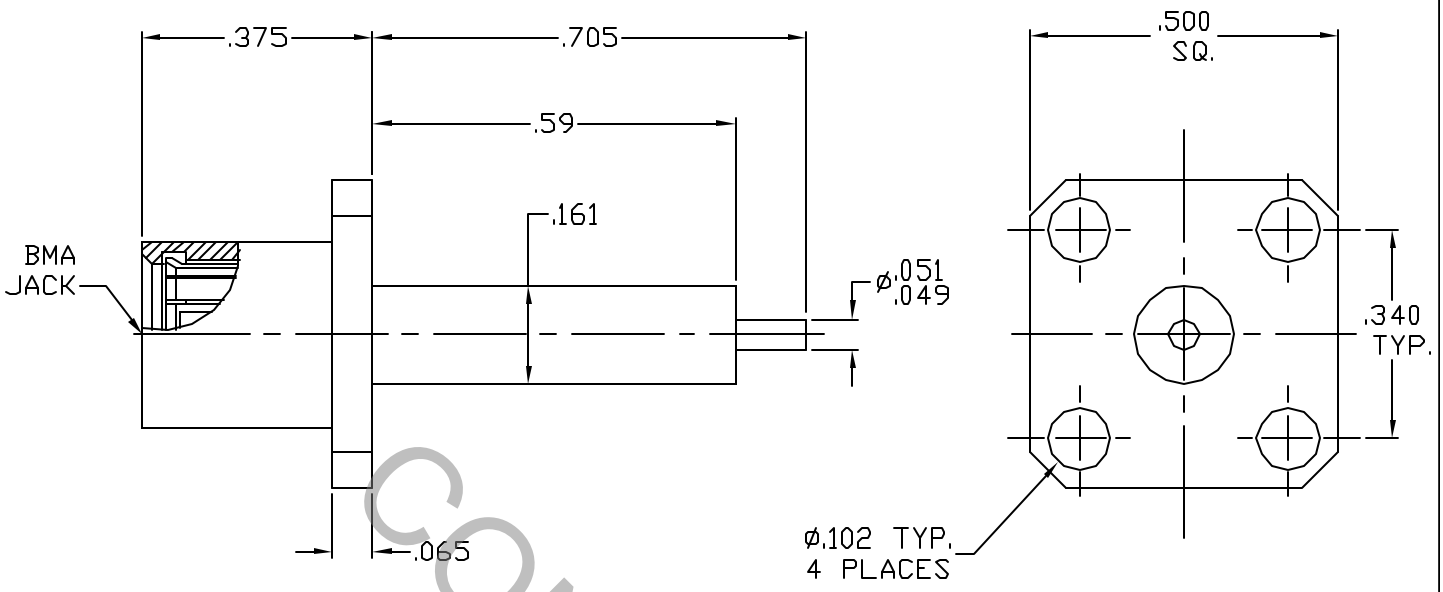
SPECIFICATION CONTROL DRAWING



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1. MATING — INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 321-2 (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
•	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	07-1228	3/5/07	TS
AB	07-1374		

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 3/5/07

APPROVED DC DATE 3/5/07

TITLE
BMA, JACK
4 HOLE FLANGE
STRAIGHT TERMINAL

CODE IDENT. 2J899

SHEET 1 OF 3

DWG. NO. 6754-0031-6250

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX AXIAL FORCE — 8.0 LBS.
- MAX. RADIAL TORQUE — N/A

CENTER CONTACT AXIAL FORCES
- INSERTION (MAX. OUNCES) — 48.0
- WITHDRAWAL (MIN. OUNCES) — 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) — 500

RECOMMENDED MATING TORQUE — N/A

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4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65° c TO + 155° 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)

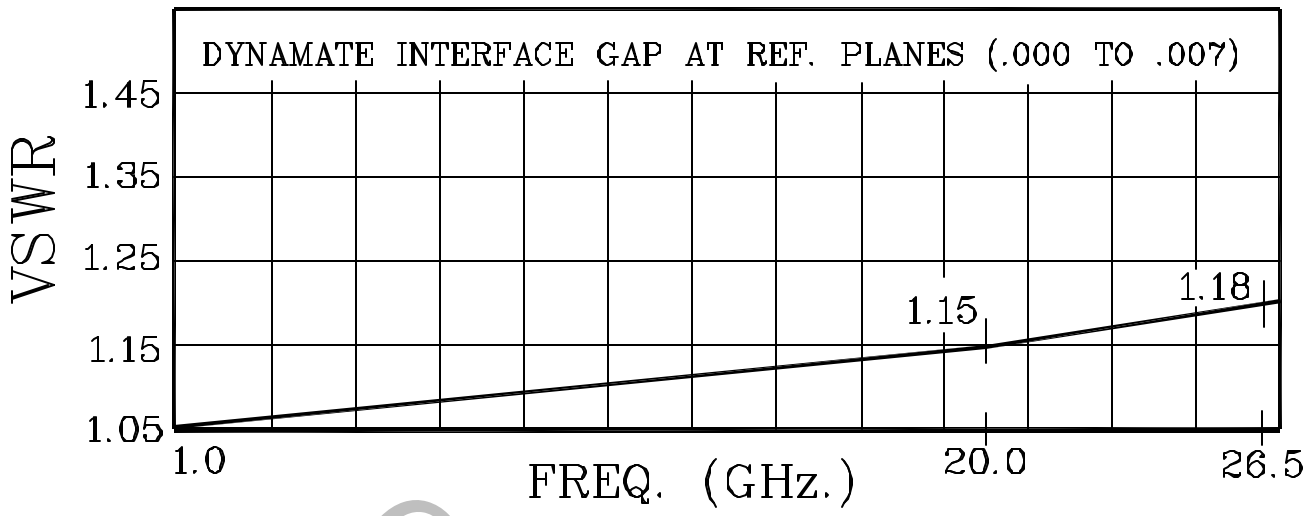
5. MATERIAL

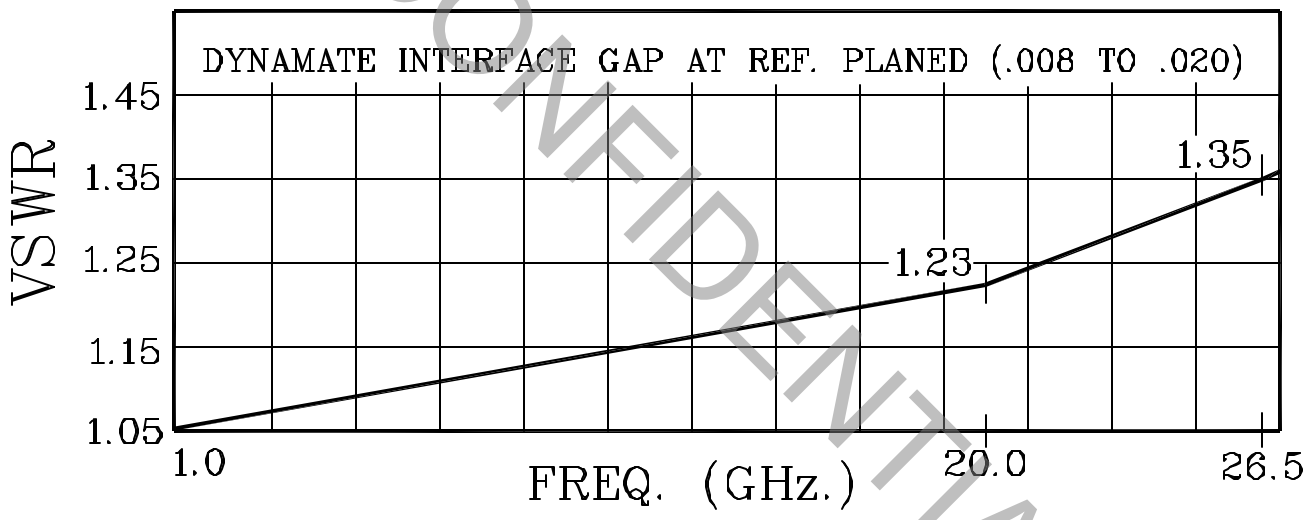
BODY	STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CENTER CONTACT AND SPRING FINGERS	BERYLLIUM COPPER PER ASTM B196/B 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
CENTER CONTACT HOOD	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
INSULATOR	TEFLON PER ASTM D 1710–02, TYPE 2, GRADE 1, CLASS A.

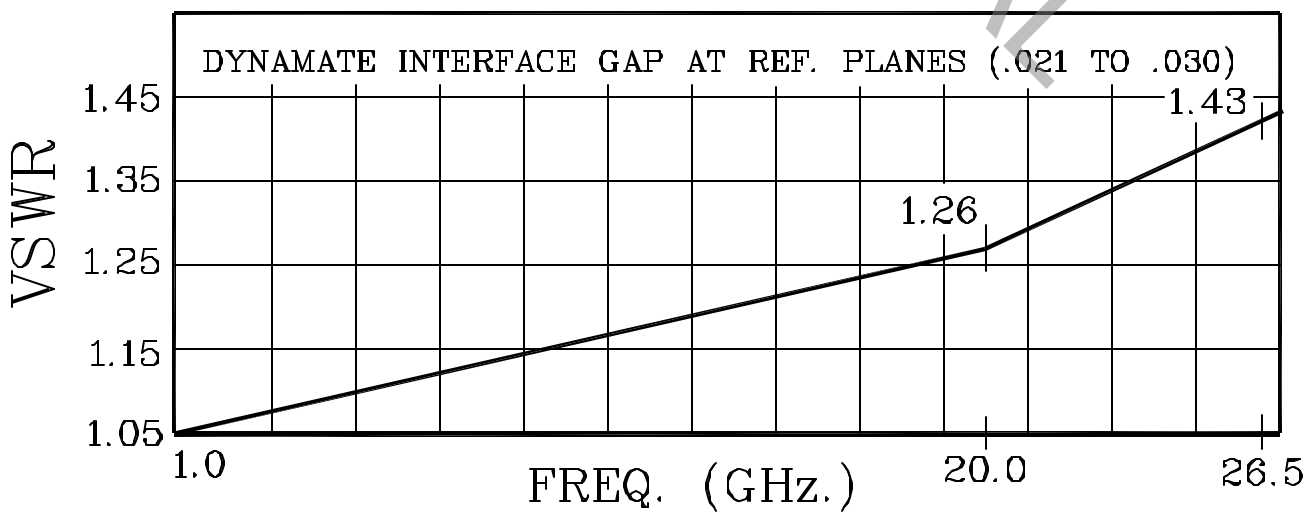
6. FINISH

BODY	PASSIVATE PER AMS QQ–P–35, TYPE 2.
CENTER CONTACT ASSEMBLY AND SPRING FINGERS	GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL per QQ–N–290 (.000050 MIN. THK.) OVER COPPER per MIL–C–14550 (.000010 MIN. THK.)
INSULATOR	N/A

SPECIFICATION CONTROL DRAWING







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dynawave INCORPORATED	Sheet 3 of 3	DWG. NO. 6754-0031-6250	REV. AB