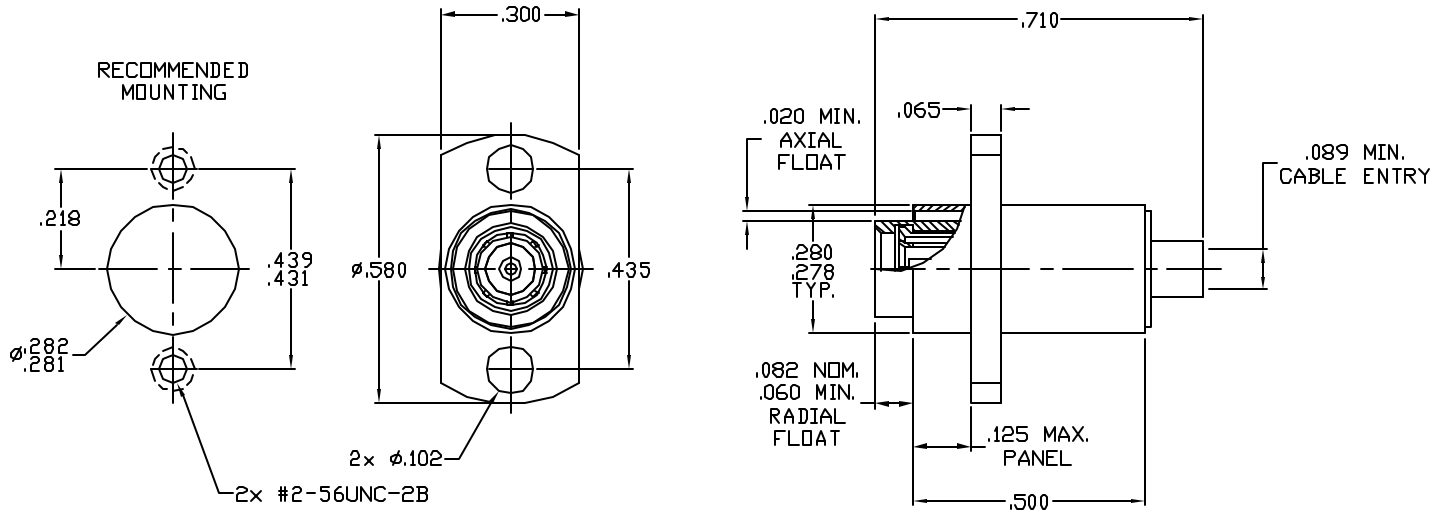
SPECIFICATION CONTROL DRAWING



1. MATING

INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-65 (BMAM JACK)

2. ELECTRICAL

FREQUENCY RANGE MHz	DC TO 38.0 GHz.
VSWR (MAX.)	SEE SHEET 3
INSERTION LOSS (dB MAX.)	
• BMAM INTERFACE GAP (.000 TO .010)	.045 x $\sqrt{FGHz.}$
• BMAM INTERFACE GAP (.011 TO .020)	.060 x $\sqrt{FGHz.}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	
• BMAM INTERFACE BOTTOMED (.000 GAP)	-90 dB - FGHz
• BMAM INTERFACE GAP (.001 TO .010)	-80 dB - FGHz
• BMAM INTERFACE GAP (.016 TO .020)	-75 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	8.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

• TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	07-1232	3/5/07	TS
AB	07-1452		

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 3/5/07

APPROVED DC DATE 3/5/07

TITLE: BMAM JACK, 2 HOLE FLOATING FLANGE MOUNT DIRECT SOLDER TO .085 SEMI-RIGID CABLE

CODE IDENT. 2J899

SHEET 1 OF 3

DWG. NO. 6562-8521-6266

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) — 32.0
- WITHDRAWAL (MIN. OUNCES) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) — 1,000

RECOMMENDED MATING TORQUE — N/A

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° 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)

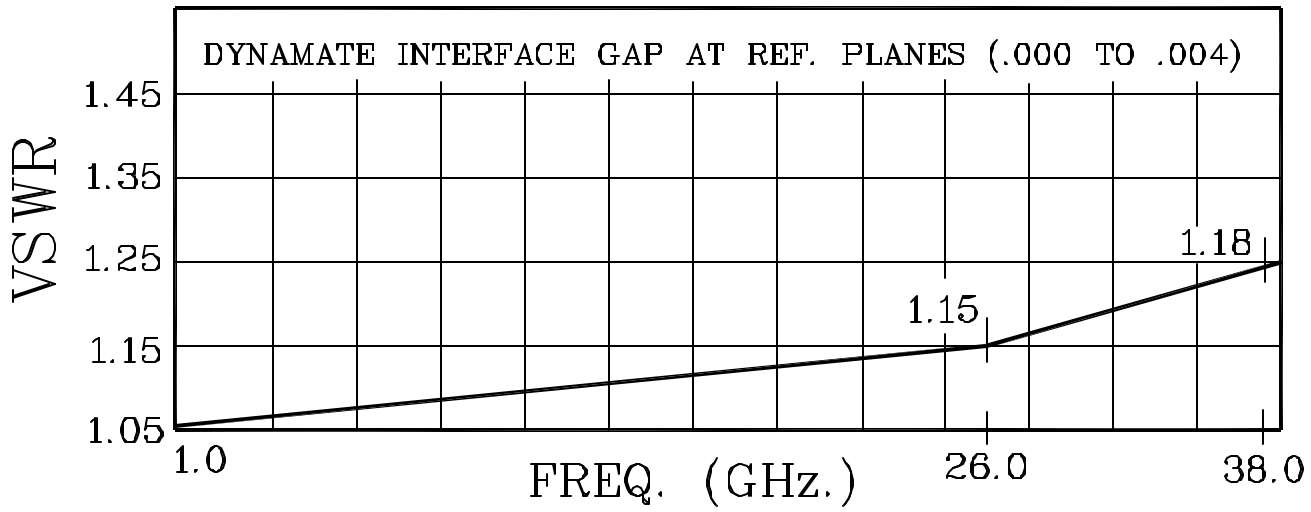
5. MATERIAL

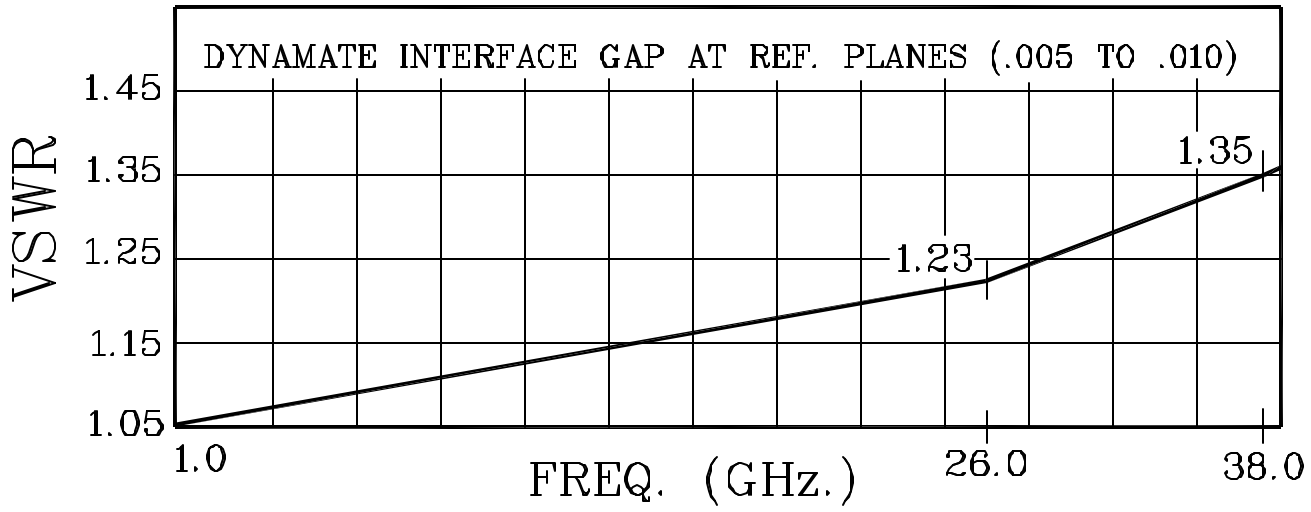
BODY AND FLOAT HOUSING	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACTS & SPRING FINGERS	BERYLLIUM COPPER PER ASTM B196/B, B196M-03, COPPER ALLOY No. UNS-C-17300, TEMPER TD04
INSULATOR	TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B
CONTACT HOOD	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
COMPRESSION SPRING	STAINLESS STEEL PER ASTM-A-313, TYPE 302, AMS 5688 SPRING TEMPER.

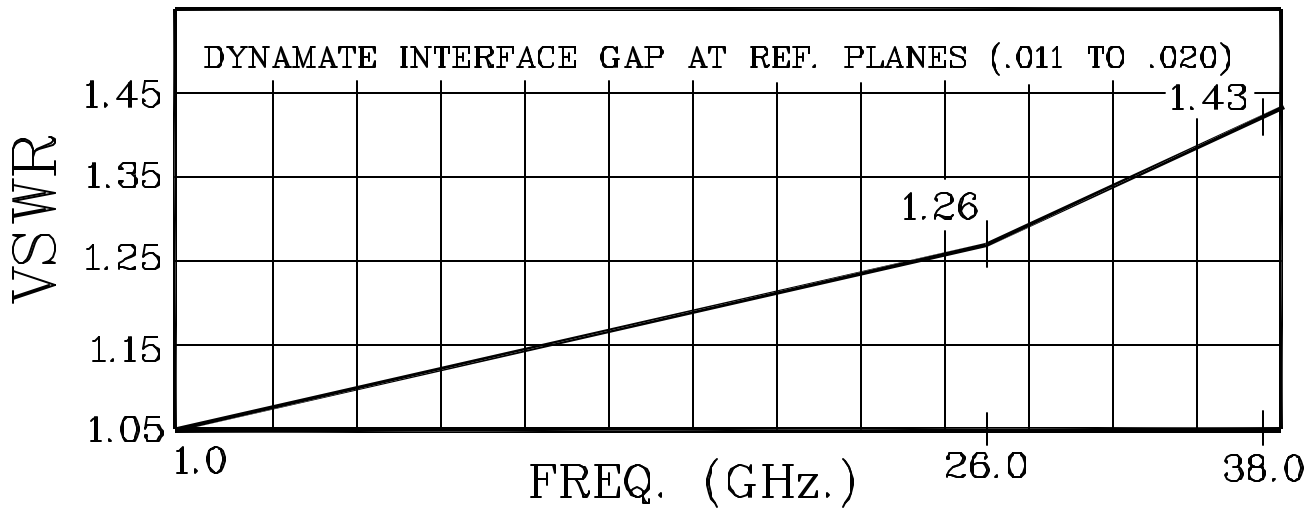
6. FINISH

BODY	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK) OVER NICKEL PER QQ-N-290 (.000150 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.)
CONTACTS & SPRING FINGERS	GOLD PER ASTM-B-488, TYPE I, 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.)
FLOAT HOUSING	PASSIVATE PER AMS QQ-P-35, TYPE 2
INSULATOR	N/A

SPECIFICATION CONTROL DRAWING







dynawave INCORPORATED	SHEET 3 of 3	DWG. NO. 6562-8521-6266	REV. AB