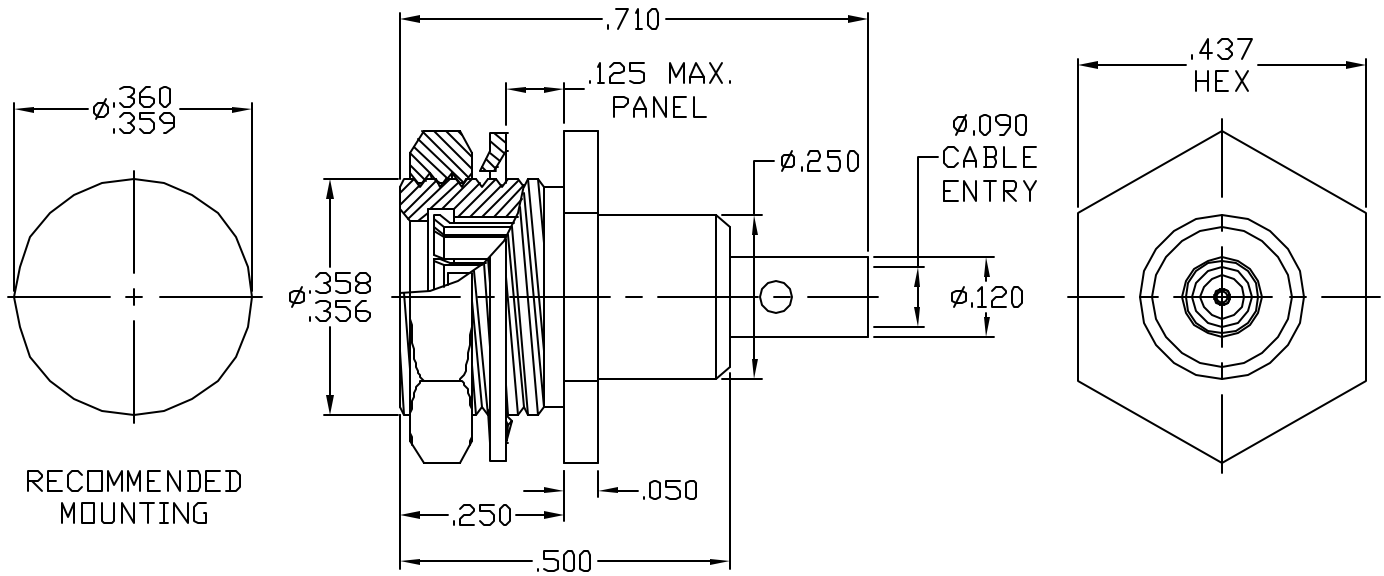


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-67 (BMA, JACK)

2. ELECTRICAL

- FREQUENCY RANGE GHz _____ DC TO 26.5 GHz.
 VSWR (MAX.) * _____ SEE SHEET 3
 INSERTION LOSS (dB MAX.) _____
 • BMA INTERFACE GAP (.000 to .015) _____ .040 dB x \sqrt{FGHz}
 • BMA INTERFACE GAP (.016 to .030) _____ .060 dB x \sqrt{FGHz}
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX VRMS) _____ 250
 RF LEAKAGE (MIN. dB DOWN)
 • BMA INTERFACE BOTTOMED (.000 GAP) _____ -100 dB - FGHz
 • BMA INTERFACE GAP (.001 to .015) _____ -90 dB - FGHz
 • BMA 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) _____ 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.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01835
AA	05-1993	10/3/05	DC	DECIMALS X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' D' X° X' ± 16"	
				DRAWN	DC	DATE	TITLE BMA JACK, BULKHEAD, DIRECT SOLDER, 0.085 SEMI-RIGID
				APPROVED	DC	DATE	
				CODE IDENT.	SHEET 1 OF 3		DWG. NO.
				2J899			6710-8521-6450

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.6 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 1.0

DYNAMATE DURABILITY (MIN. MATING) _____ 1000

RECOMMENDED MATING FORCES

- MOUNTING TORQUE _____ 20-24 IN. LBS.
- PLUG CONNECTOR - INSERTION FORCE _____ 3.0 LBS. MAXIMUM

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

CONNECTOR BODY AND HEX NUT _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

CENTER CONTACT AND SPRING FINGERS _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT

INSULATOR _____ TEFLON PER MIL-P-16468 AND L-P-403, TYPE I

LOCKWASHER _____ CARBON STEEL, TYPE 1050

6. FINISH

CONNECTOR BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THICKNESS) OVER NICKEL PER QQ-N-290
(.000150 MIN. THICKNESS) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THICKNESS).

HEX NUT AND LOCKWASHER _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CENTER CONTACT AND SPRING FINGERS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN. THICKNESS) OVER NICKEL PER QQ-N-290
(.000050 MIN. THICKNESS) OVER COPPER PER MIL-C-14550
(.000010 MIN. THICKNESS).

INSULATOR _____ N/A



SHEET 2 OF 3

DWG.
NO.

6710-8521-6450

REV.

AA

SPECIFICATION CONTROL DRAWING

