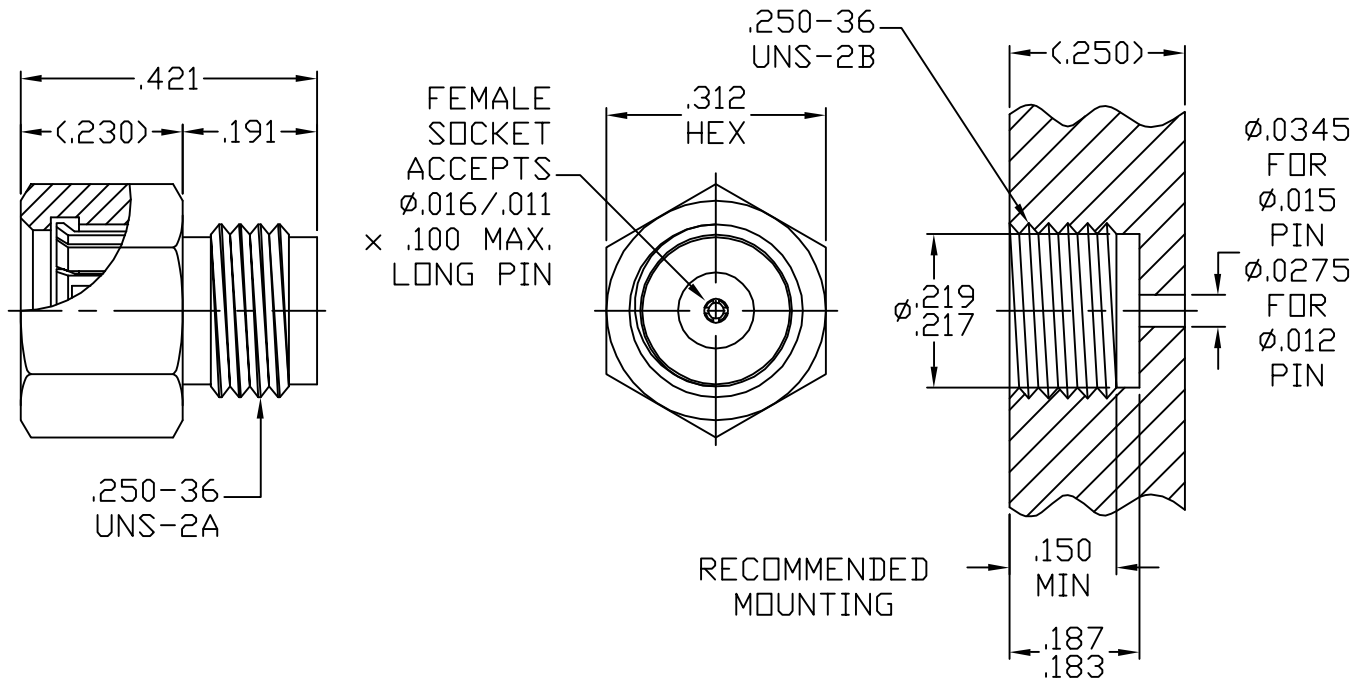


SPECIFICATION CONTROL DRAWING



1. MATING

INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 321.2 AND DYNAWAVE MD-67.

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) _____ .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 (.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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES			HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	07-1105	1/30/07	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X° X' ± 15'	TITLE BMA JACK, SCREW-IN MIC. PACKAGE
				SURFACE ROUGHNESS 63 √ MIL-STD-10.			
				DRAWN DC	DATE 1/30/07		DWG. NO. 6730-0081-6215
				APPROVED DC	DATE 1/30/07		
				CODE IDENT.	SHEET 1 of 3		
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMATE ENGAGEMENT FORCES

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

DYNAMATE DURABILITY (MIN. MATING) _____ 1000

RECOMMENDED MATING FORCES

- MIC PACKAGE (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 + 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)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A.

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

INSULATOR _____ TEFLON PER ASTM-D-1710.

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER QQ-P-35, TYPE I2

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

SPECIFICATION CONTROL DRAWING

