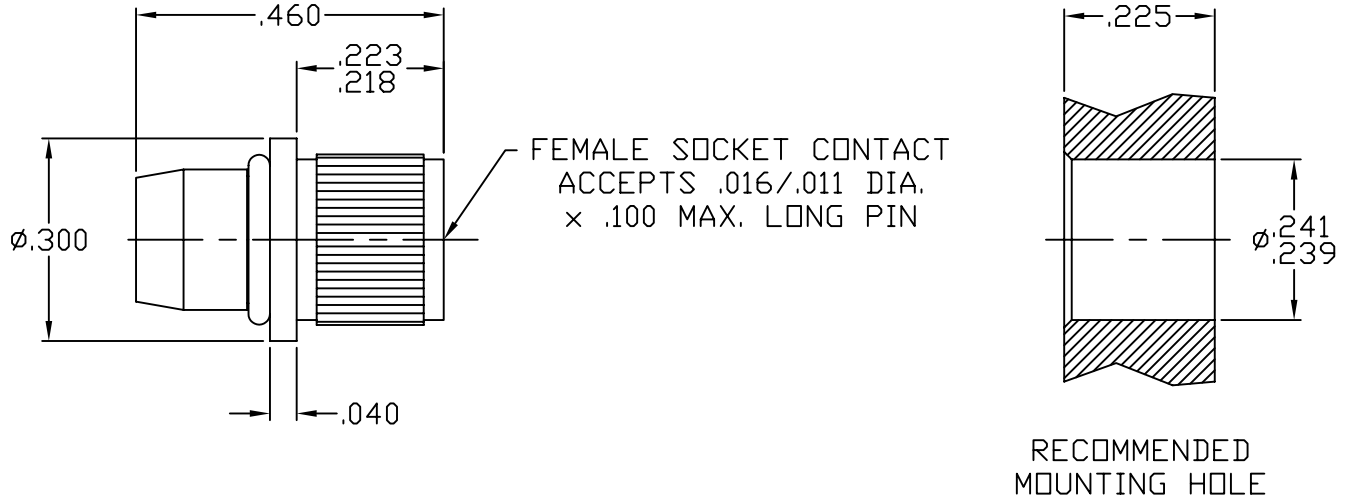


SPECIFICATION CONTROL DRAWING



1. MATING

BMA INTERFACE DIMENSIONS PER MIL-STD-348A FIG 321.1

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)	.060 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)	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			dynawave INCORPORATED HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	06-2117	9/7/06	TS	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± f 0' X° X' ± 15'	TITLE BMA PLUG, PRESS MOUNT, FIELD REPLACEABLE
				DRAWN	TS	DATE 9/7/06	
				APPROVED	DC	DATE 9/7/06	
				CODE IDENT.	SHEET 1 OF 3		DWG. NO. 2840-0081-6215
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

BMA ENGAGEMENT FORCES

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

BMA DURABILITY (MIN. MATING) _____ 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

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 1710

O'RING _____ NITRILE (BUNA-N)

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 2.5
(.000100 Minimum Thickness) OVER NICKEL PER
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000040 Minimum Thickness).

INSULATOR AND O'RING _____ N/A

SPECIFICATION CONTROL DRAWING

