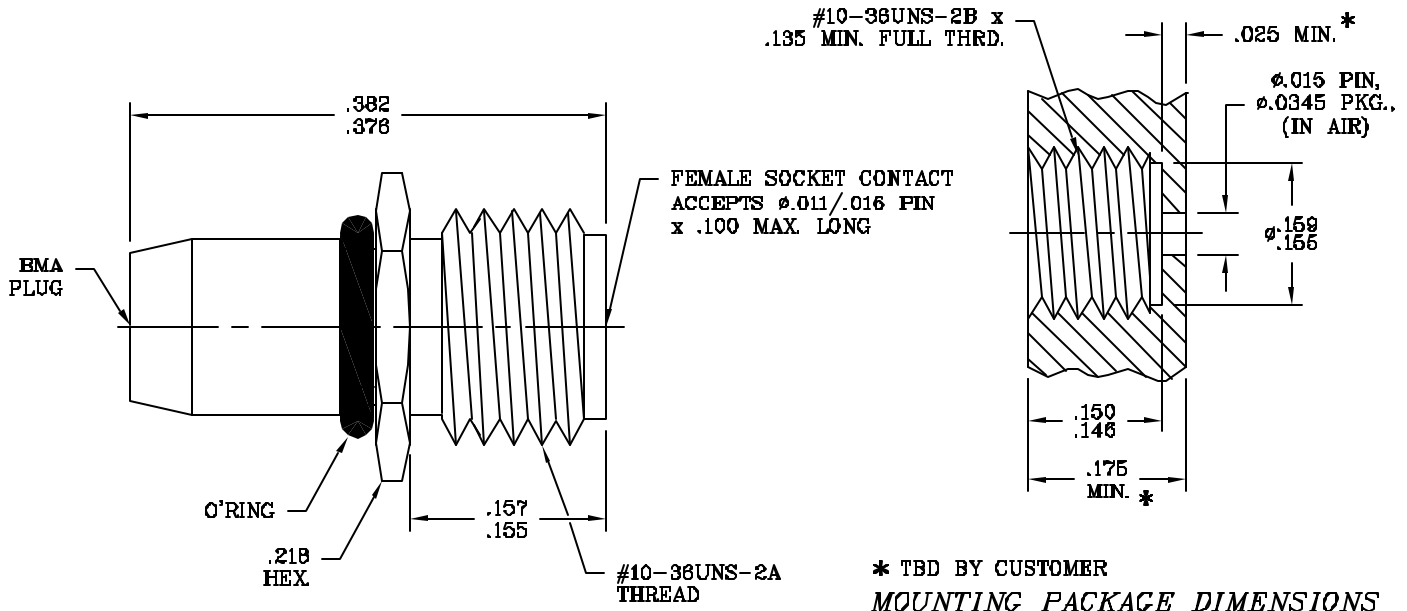


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348-321.1 AND DYNAWAVE SPECIFICATION MD-26

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 38.0 GHz.

VSWR (MAX) * _____ SEE SHEET 3

INSERTION LOSS (dB MAX)

• DYNAMITE INTERFACE GAP (.000 TO .010) _____ .045 dB x \sqrt{FGHz} .

• DYNAMITE INTERFACE GAP (.011 TO .020) _____ .060 dB x \sqrt{FGHz} .

NOMINAL IMPEDANCE (OHMS) _____ 50

VOLTAGE RATING (MAX VRMS) _____ 250

RF LEAKAGE (MIN. dB DOWN)

• DYNAMITE INTERFACE BOTTOMED (.000 GAP) _____ 100 dB - FGHz

• DYNAMITE INTERFACE GAP (.001 TO .010) _____ 90 dB - FGHz

• DYNAMITE 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.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL MA. 01836
AA	03-1650			DECIMALS X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL 1/64	ANGULAR X ° ± f D' X ° X ± 16'	
				DRAWN	DC	DATE 5/14/03	TITLE BMA, PLUG THREADED BARREL FIELD REPLACEABLE
				APPROVED		DATE	
				CODE IDENT.		SHEET 1 OF 3	DWG. NO. 2630-0081-6211
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

DYNAMITE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ REAR 24.0
- WITHDRAWAL (MIN. OUNCES) _____ REAR 1.0

DYNAMITE DURABILITY (MIN. MATING) _____ 1,000

RECOMMENDED PACKAGE MATING TORQUE _____ 7 TO 10 IN./LBS.

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.) (100 VRMS)

5. MATERIAL

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

CENTER CONTACT AND PIN _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER T004.

INSULATOR _____ TEFLON PER ASTM D 4894-91

O-RING _____ RUBBER, FLUOROSILICONE PER MIL-R-25988, TYPE 1,
CLASS 1, GRADE 60/3.

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER QQ-P-35A, TYPE 1

CENTER CONTACT AND PIN _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14650 (.000010 Minimum Thickness).

INSULATOR _____ N/A

O-RING _____ N/A



Sheet 2 of 3

DWG.
NO.

2630-0081-6211

REV.

AA

SPECIFICATION CONTROL DRAWING

