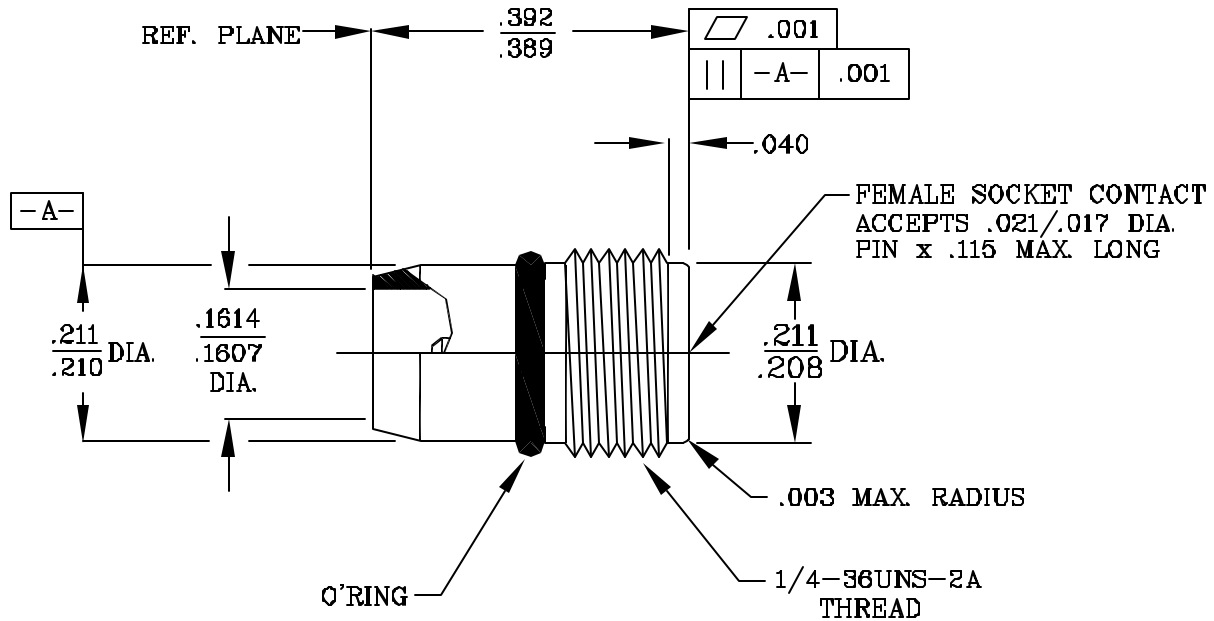


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-28 (DYNAMATE, PLUG)

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) _____ -85°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			 HAVERTHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	582	10/88	T.S.	.X +.050 .XX ±.010 .XXX ±.005	1/64	X° ± 15'	TITLE DYNAMATE, PLUG FIELD REPLACEABLE THREADED BARREL
A	658	4/89	DGG				
B	676	6/89	T.S.				
C	911	1/93	T.S.				
DA	99-0103	2/2/99	T.S.				DWG. NO. 2830-0081-6220
FA	02-0167	3/7/02	T.S.	CODE IDENT.	SHEET 1 OF 3		
GA	02-0597	6/27/02	DGG	2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ INTERFACE 48.0, REAR 32.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0, REAR 1.0

DYNAMATE DURABILITY (MIN. MATING) _____ 1,000

RECOMMENDED MATING TORQUE _____ 7 - 11 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 108, 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 B188-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 4894-9L

O'RING _____ NITRILE (BUNA-N)

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER QQ-P-35C, TYPE VI

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 _____ N/A



Sheet 2 of 3

DWG.
NO.

2830-0081-6220

REV.

GA

SPECIFICATION CONTROL DRAWING

