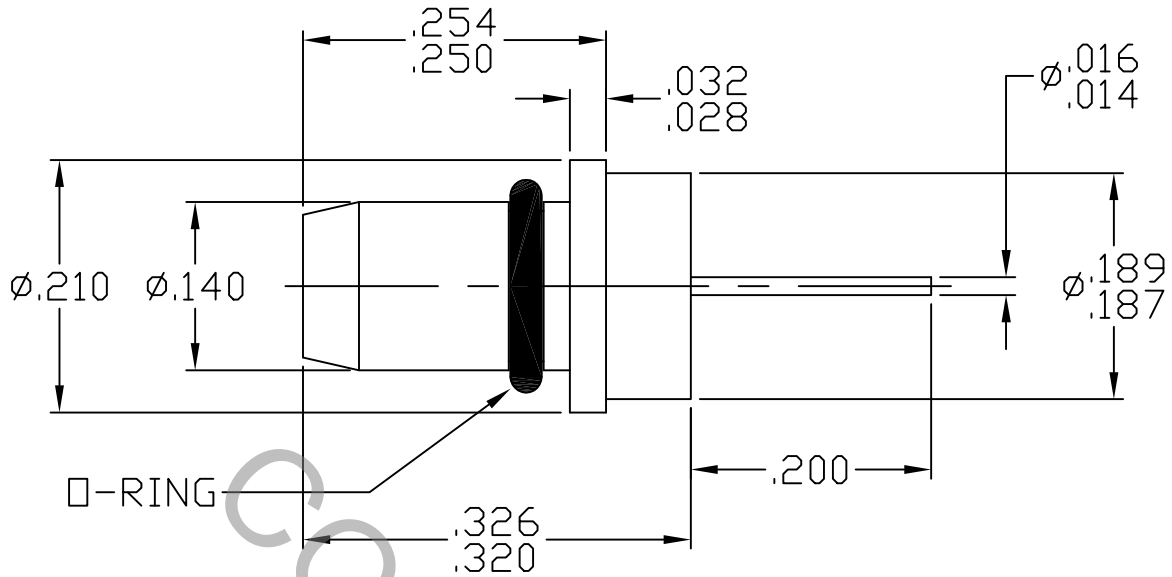


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS per DYNAWAVE MD-26-2 (BMAM PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 26.5 GHz.

VSWR (MAX) * _____ SEE SHEET 3

INSERTION LOSS (dB MAX.)

- DYNAMITE INTERFACE GAP (.000 TO .010) _____ .050 dB x \sqrt{FGHz}
- DYNAMITE INTERFACE GAP (.011 TO .020) _____ .065 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) _____ 5,000

CONTACT RESISTANCE

- CENTER CONTACT (MAX. MILLIOHMS) _____ 12.0
- 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
				DECIMALS	FRACTIONAL	ANGULAR	
AA	05-1345	3/17/05	DC	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1 0' X° X' ± 15"	TITLE BMAM, PLUG SOLDER-IN, FEEDTHROUGH HERMETIC SEAL
AB	05-1475	4/13/05	TS				
AC	05-1866	8/26/05	DC	DRAWN DC	DATE 3/17/05		DWG. NO. 2640-0431-6421
				APPROVED DC	DATE 3/17/05		
				CODE IDENT. 2J899	SHEET 1 OF 3		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT and GLASS PIN

- MIN. AXIAL FORCE (BOTH) _____ 4.5 LBS.
- MIN. RADIAL TORQUE (GLASS PIN) _____ 1.5 IN. OZ.

DYNAMITE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
 - WITHDRAWAL (MIN. OUNCES) _____ 2.0
- DYNAMITE DURABILITY (MIN. MATING) _____ 1000

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)
HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT
INSULATOR _____ TEFLON PER D 1457
GLASS _____ CORNING 7070
GLASS, MALE PIN _____ KOVAR
O'RING _____ RUBBER, NITRILE, (BUNA N) PER MIL-P-25732,
COLOR: BLACK

6. FINISH

BODY AND GLASS PIN _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25,
(.000050 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000150 Minimum Thickness).
CENTER CONTACT _____ GOLD ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290 (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).
O'RING _____ N/A

SPECIFICATION CONTROL DRAWING

