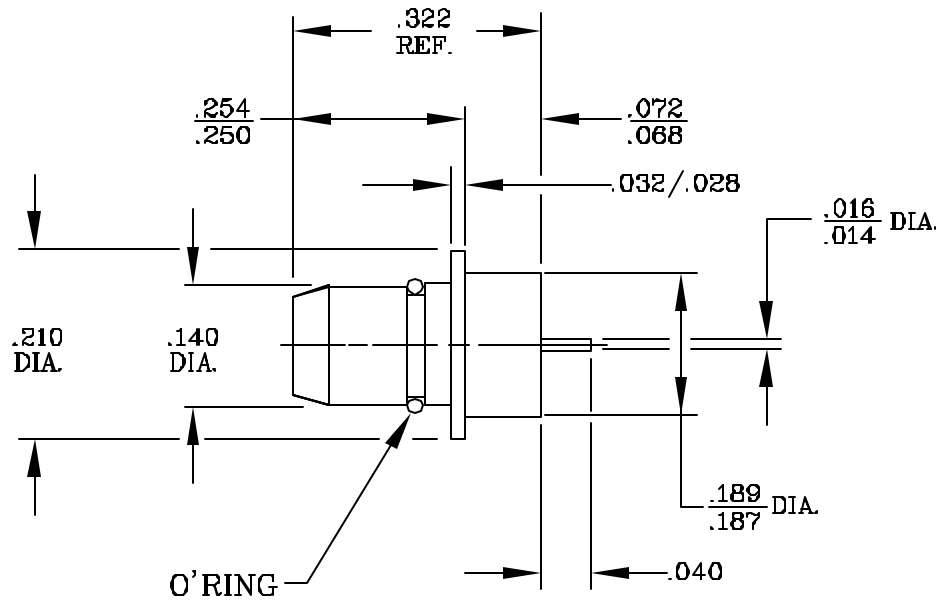



SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS per DYNAWAVE MD-26 (DYNAMITE 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			 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
-	558	8/88	DGG	.X ± .050 .XX ± .010 .XXX ± .005	1/64	X° ± 1 0' X' ± 15"	
A	656	4/89	DGG				
B	686	7/89	T.S.	DRAWN	RF	DATE 8/88	TITLE DYNAMITE, PLUG SOLDER-IN, FEEDTHROUGH HERMETIC SEAL
C	1151	5/95	T.S.	APPROVED	DGG	DATE 8/88	
				CODE IDENT.	SHEET 1 OF 3		DWG. NO. 2640-0431-6420
				2J899			

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 MIL-G-45204, TYPE II, GRADE C, CLASS 1,
OVER NICKEL PER QQ-N-290, (.00010 MIN. THK.)
CENTER CONTACT _____ 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-14550 (.000010 Minimum Thickness).
O'RING _____ N/A

SPECIFICATION CONTROL DRAWING

