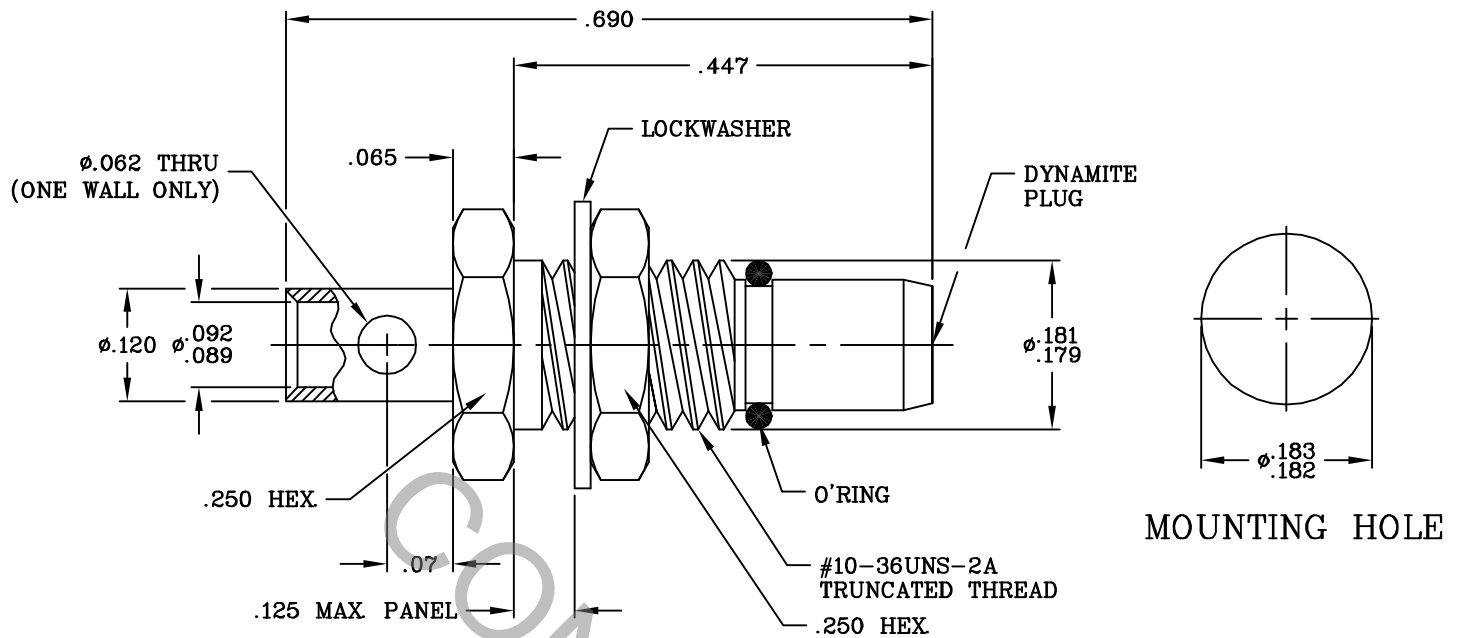


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-26 (DYNAMITE, PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX) *	1.10 + .012 x FGHz.
INSERTION LOSS (dB MAX.)	
• DYNAMITE INTERFACE GAP (.000 TO .010)	.045 dB x $\sqrt{\text{FGHz}}$.
• DYNAMITE INTERFACE GAP (.011 TO .020)	.06dB x $\sqrt{\text{FGHz}}$.
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)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* GATED TEST PROCEDURE

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HABERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	1005	8/93	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X° X' ± 15"	
AA	02-0984	11/25/02	BN	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN TS	DATE 8/93	TITLE DYNAMITE, PLUG BULKHEAD MOUNT TO .085 S.R. CABLE	
				APPROVED DGG	DATE 8/93		
				CODE IDENT.	SHEET 1 OF 2	DWG. 2610-8521-6450 NO.	
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMITE ENGAGEMENT FORCES:

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

DYNAMITE DURABILITY (MIN. MATING) _____ 1,000

RECOMMENDED MATING TORQUE _____ N/A

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, COND B (-65 °c TO + 165 °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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, LOCKNUT AND LOCKWASHER _____ 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

O'RING _____ RUBBER, NITRILE (BUNA N), PER MIL-P-25732,
COLOR: BLACK

6. FINISH

CONNECTOR BODY _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75
(.00003 / .000050 THK.) OVER NICKEL PER MIL-P-27418
(.00010 MIN. THK.) OVER NICKEL (WOODS OR WATTS),
(.000010 MIN. THK.).

LOCKNUT AND LOCKWASHER _____ PASSIVATE PER QQ-P-35A, TYPE I.

CENTER CONTACT _____ GOLD PER ATSM 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).

INSULATOR AND O'RING _____ N/A