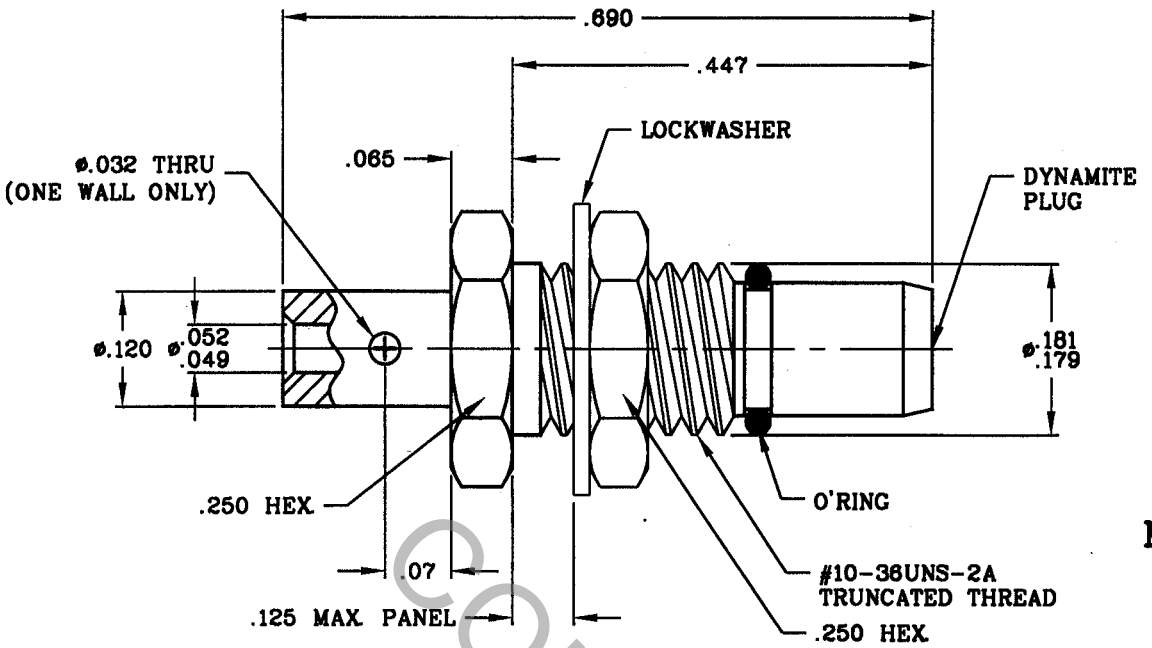
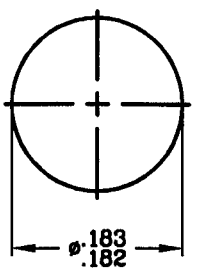
SPECIFICATION CONTROL DRAWING





MOUNTING HOLE

CONFIDENTIAL

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 $\sqrt{FGHz}$.
• DYNAMITE INTERFACE GAP (.011 TO .020)	.06dB 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)	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.
AA	02-0959	11/02	DGG

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .X ±.030, .XX ±.010, .XXX ±.005
FRACTIONAL ±1/64
ANGULAR X° ±1°0', X.X° ±15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
GEORGETOWN MA. 01833

DRAWN G.E. DATE 11/11/02

APPROVED DGG DATE 11/14/02

TITLE
DYNAMITE, PLUG BULKHEAD MOUNT TO .047 S.R. CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2610-4721-6450

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)

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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

6. FINISH

CONNECTOR BODY	GOLD PER MIL–G–45204, TYPE II, GRADE C, CLASS 0, OVER NICKEL PER QQ–N–290, (.00010 MIN. THK.)
LOCKNUT AND LOCKWASHER	PASSIVATE PER QQ–P–35A, TYPE I.
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).
INSULATOR	N/A