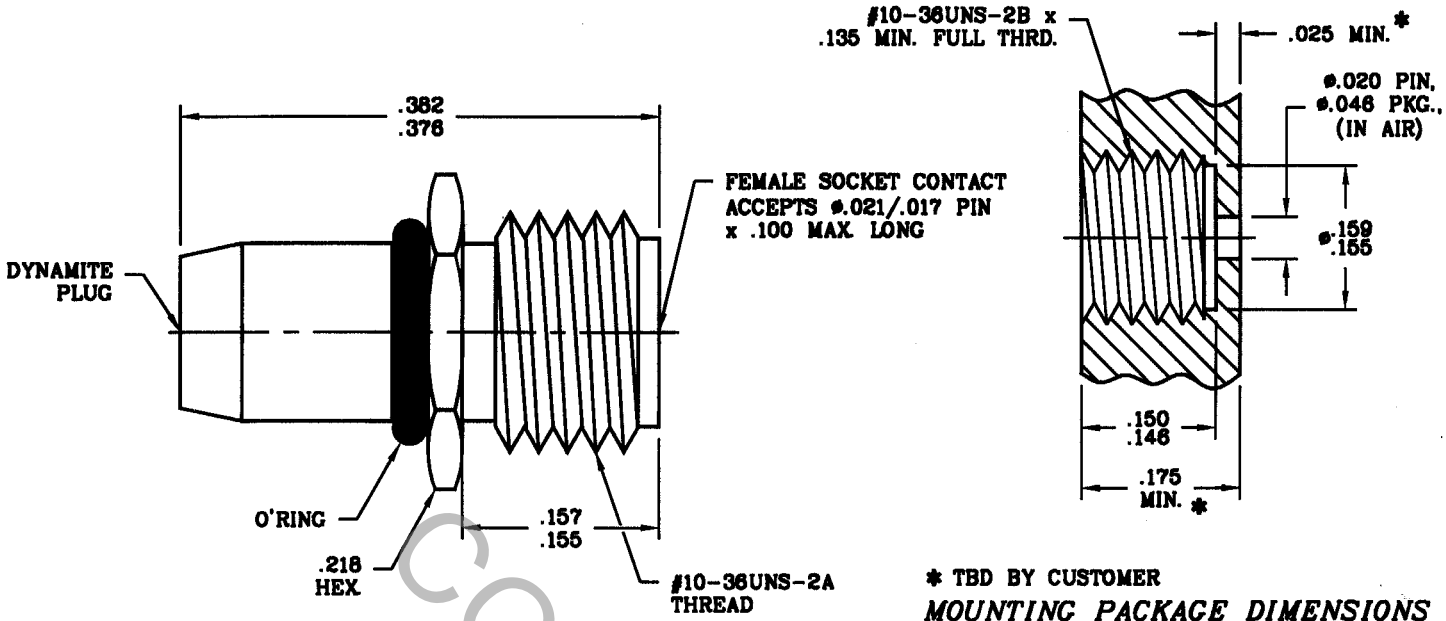
SPECIFICATION CONTROL DRAWING



MOUNTING PACKAGE DIMENSIONS

CONFIDENTIAL

1. MATING

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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 38.0 GHz.
VSWR (MAX.) *	SEE SHEET 3
INSERTION LOSS (dB MAX.)	
• DYNAMITE INTERFACE GAP (.000 TO .010)	.045 dB x $\sqrt{FGHz}$.
• DYNAMITE INTERFACE GAP (.011 TO .020)	.060 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)	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.
AA	03-1027	1/03	DGG

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	1/64	X° ± 1° X.X° ± 15'

dynawave INCORPORATED
HAVERHILL MA. 01835

DRAWN G.E. DATE 01/08/03

APPROVED DGG DATE 1/8/03

TITLE
DYNAMITE, PLUG THREADED BARREL FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 3

DWG. NO. 2630-0081-6219

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE (BOTH) ——— 4.5 LBS.
- MIN. RADIAL TORQUE ——— N/A

DYNAMITE ENGAGEMENT FORCES
- INSERTION (MAX. OUNCES) ——— REAR 24.0
- WITHDRAWAL (MIN. OUNCES) ——— REAR 1.0

DYNAMITE DURABILITY (MIN. MATING) ——— 1,000

RECOMMENDED PACKAGE MATING TORQUE ——— 7 TO 10 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 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)

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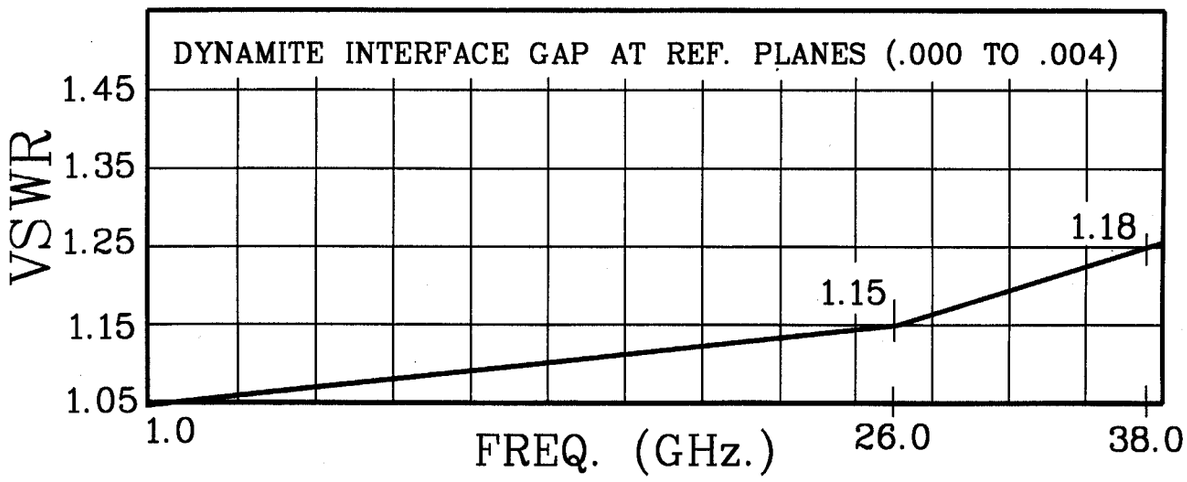
5. MATERIAL

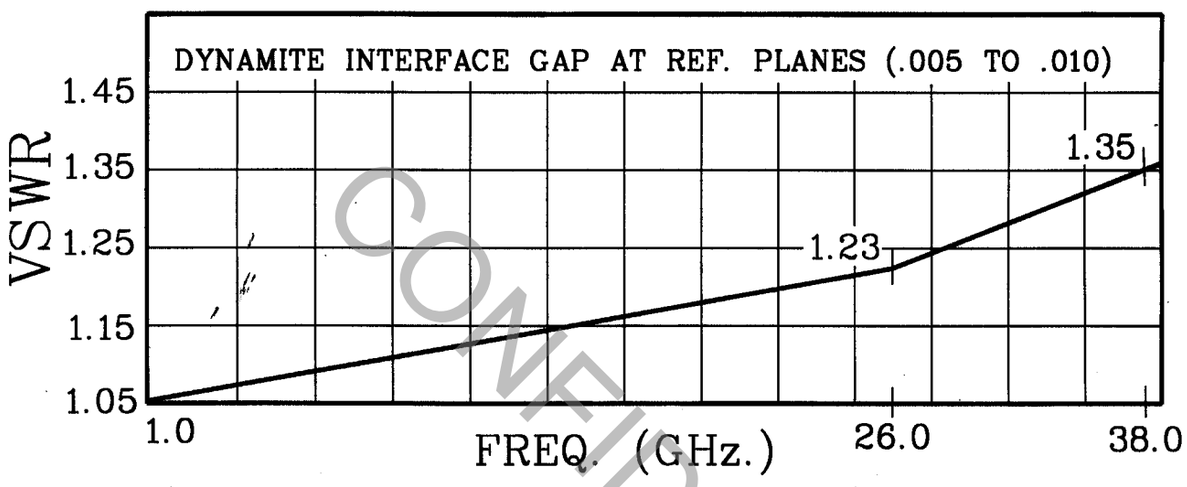
CONNECTOR BODY	STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.
CENTER CONTACT AND PIN	BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 4894-91.
O-RING	RUBBER, FLUOROSILICONE PER MIL-R-25988, TYPE I, CLASS 1, GRADE 60/3.

6. FINISH

CONNECTOR BODY	PASSIVATE PER QQ-P-35A, TYPE I.
CENTER CONTACT AND PIN	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 Thickess).
INSULATOR	N/A
O-RING	N/A

SPECIFICATION CONTROL DRAWING





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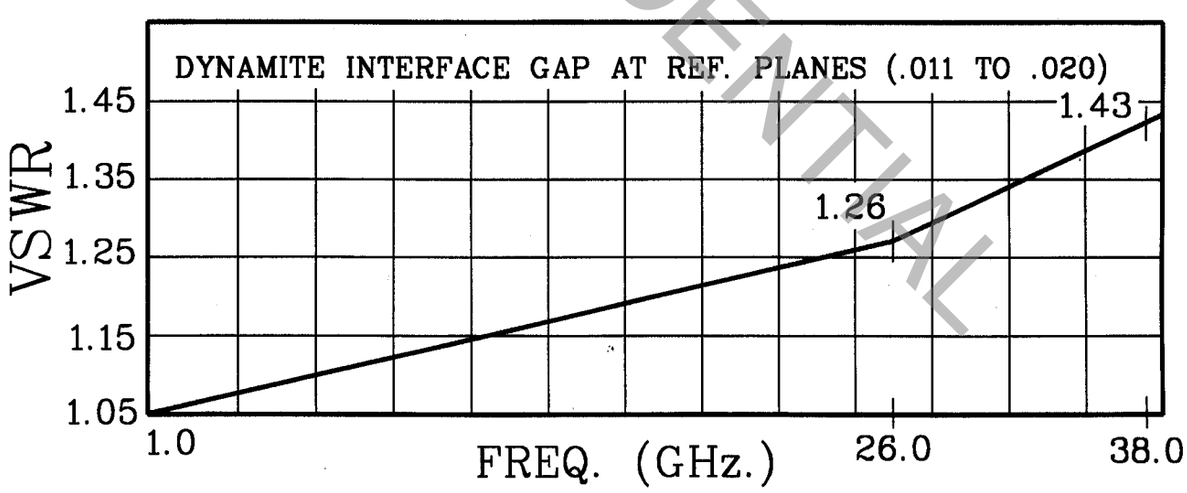

dynawave INCORPORATED	SHEET 3 OF 3	DWG. NO. 2630-0081-6219	REV. AA