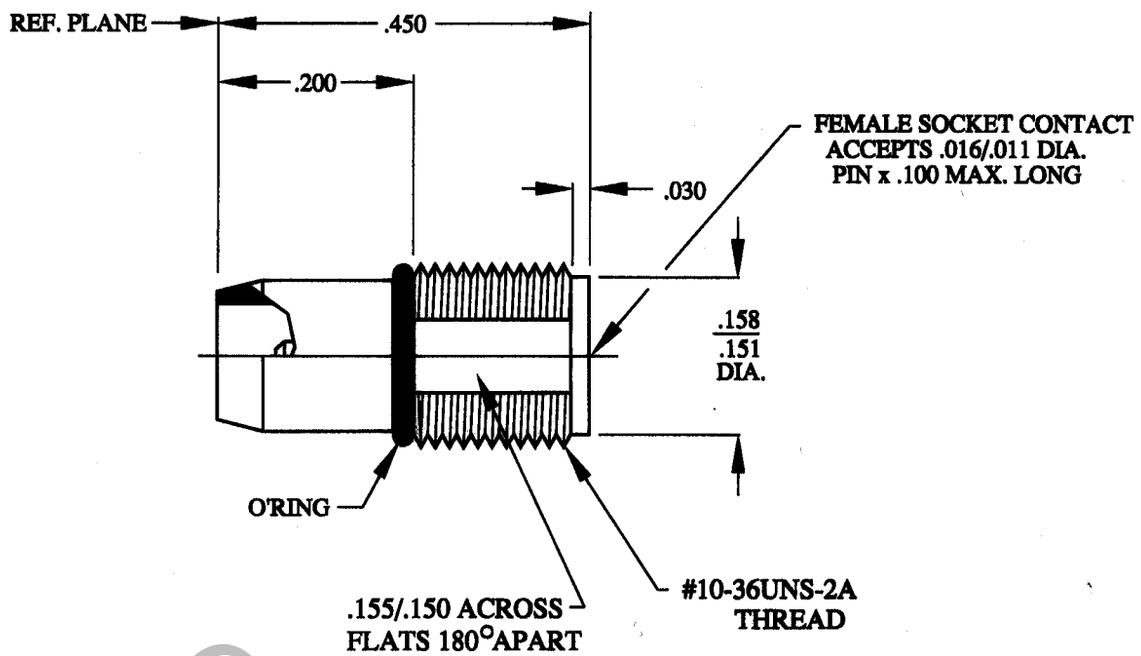
SPECIFICATION CONTROL DRAWING



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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.
-	1174	10/95	T.S.
A	1186	1/96	T.S.
AB	96-0061	9/96	DGG
BA	02-0072	2/20/02	DGG

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS X ±.030, XX ±.010, XXX ±.005
FRACTIONAL ± 1/64
ANGULAR X° ±1° 0', X° X' ±15'

dynawave® INCORPORATED
HAVERHILL, MA 01835

DRAWN T.S. DATE 10/95

APPROVED D.G.G. DATE 10/95

TITLE
DYNAMITE, PLUG
THREADED BARREL
FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 3

DWG. NO. 2630-0081-6217

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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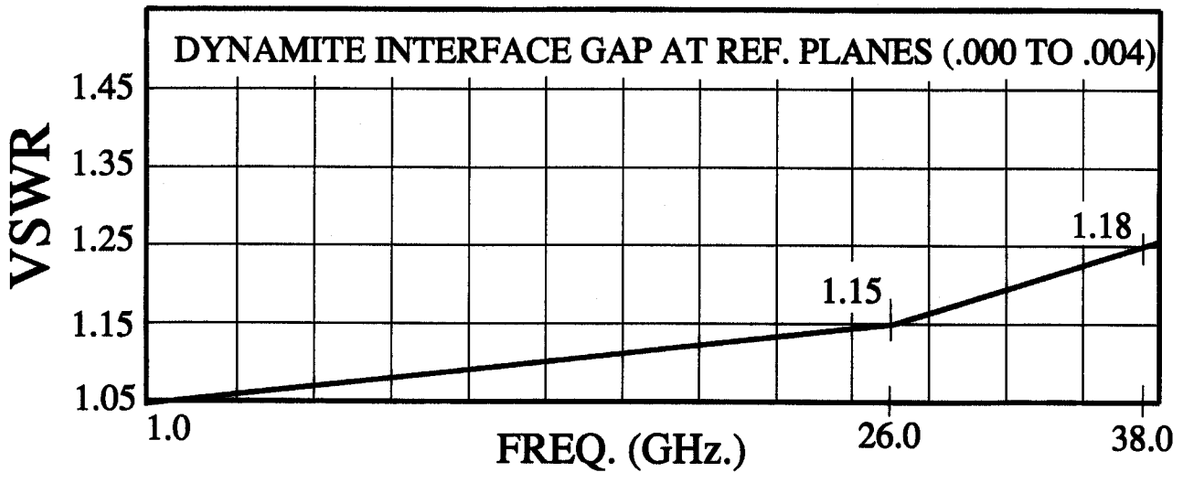
5. MATERIAL

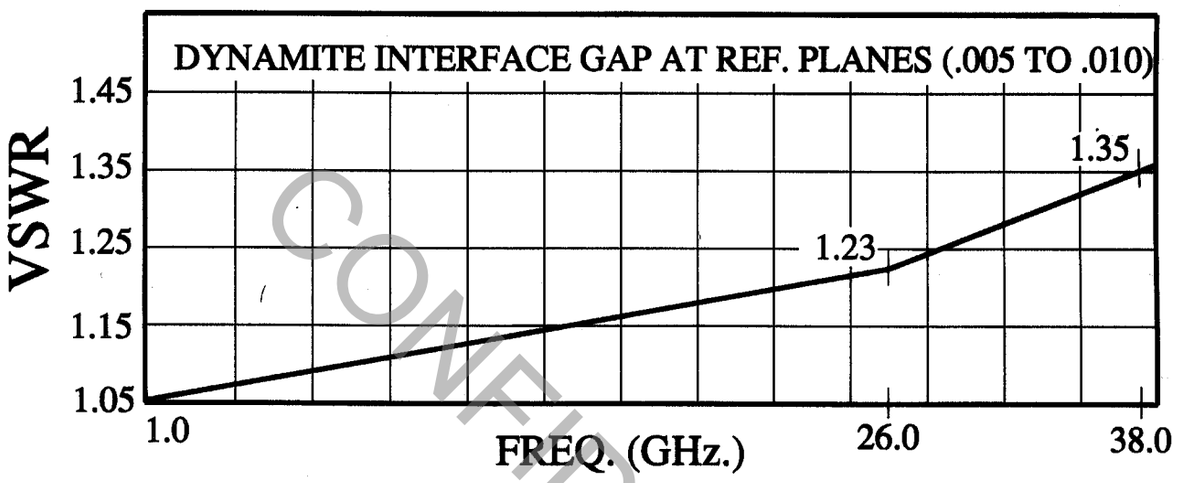
CONNECTOR BODY	STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.
CENTER CONTACT AND PIN	BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 4894-91.
O'RING	NITRILE (BUNA N)

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 Thickness).
INSULATOR	N/A
O'RING	N/A

SPECIFICATION CONTROL DRAWING





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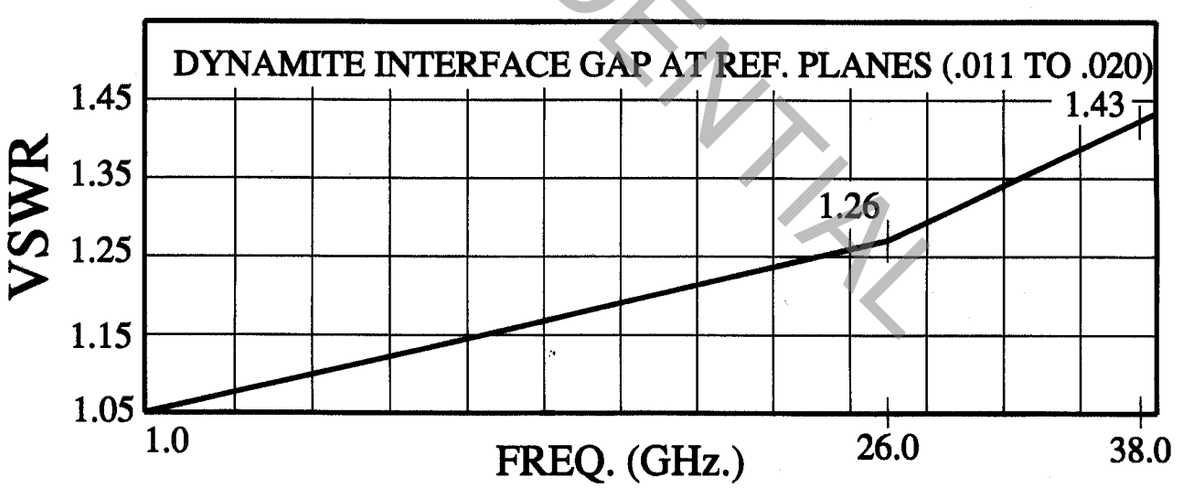

dynawave INCORPORATED	SHEET 3 OF 3	DWG. NO. 2630-0081-6217	REV. BA