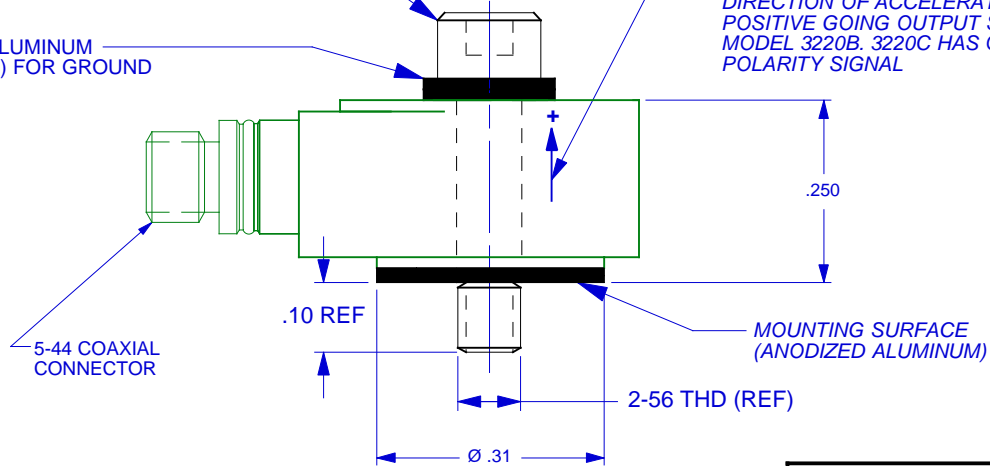


MODEL 6165 MOUNTING SCREW
ASSY
(REMOVABLE)
NOT SHOWN IN TOP VIEW

ANODIZED ALUMINUM
WASHERS (2) FOR GROUND
ISOLATION

ARROW INDICATES SENSE AND
DIRECTION OF ACCELERATION FOR
POSITIVE GOING OUTPUT SIGNAL FOR
MODEL 3220B. 3220C HAS OPPOSITE
POLARITY SIGNAL



PORT PREPARATION

- 1) PREPARE (OR SELECT) A FLAT MOUNTING SURFACE OVER A MINIMUM .32 DIAMETER. SURFACE SHOULD BE FLAT TO .001 TIR FOR BEST HIGH FREQUENCY RESPONSE.
- 2) AT THE CENTER, DRILL #50 (Ø .070) X .20 DEEP.
- 3) TAP #2-56 UNC-2B X .125 MIN DEPTH.
- 4) CLEAN THE AREA CAREFULLY AFTER MACHINING TO REMOVE ALL CHIPS AND CUTTING OILS.

- 1) WEIGHT: 4 GRAMS
- 2) MATERIAL: 316L STAINLESS STEEL

ALL PART NUMBER LETTERSUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
I.E. - 107-0000-01 (X)
M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED
P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT
H - HEAT TREATED E - ENVIRONMENTAL TEST

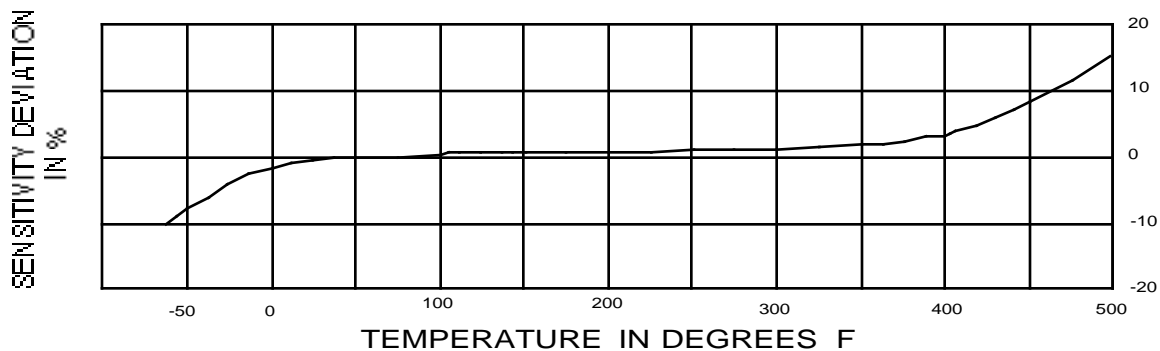
EXCEPT AS OTHERWISE NOTED
ALL DIMENSIONS IN INCHES
TOLERANCE: .XXX = ± .XX = ±
SURFACE FINISH EXCEPT AS NOTED ✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER
THESE DIAS ⊙ TO T.I.R.
FILLETS - MAX RAD.

		CHATSWORTH, CA.			
		SCALE 4X	REV -	DATE -	ECN -
DATE 4/4/96		PART NO.			
DRAWN N.C.	CHECKED D.Z.	MAT'L			
APPROVED		NEXT ASSEMBLY		USED ON	
TITLE				MODEL 3220B & C	
OUTLINE/INSTALLATION DRAWING MODELS 3220B & 3220C				DWG NO.	
				127-3220B	
				SHEET	OF 1

SPECIFICATIONS MODEL 3220C MINIATURE CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
RANGE F.S.	500	G
SENSITIVITY, +/- 20 % [1]	1.5	pC/G
CAPACITANCE, NOM	835	pF
NATURAL FREQUENCY, MOUNTED, NOM.	35	kHz
FREQUENCY RESPONSE, +/- 5% (+/- 15%)	2 to 5,0000 (1 to 10,000)	Hz
LINEARITY	2	%FS
TRANSVERSE SENSITIVITY, MAX	5	%
OPERATING TEMPERATURE RANGE	-60 to +500	DEG F
THERMAL COEFFICIENT OF SENSITIVITY	SEE GRAPH BELOW	
MAXIMUM VIBRATION	+/- 1000	G
MAXIMUM SHOCK	2000	G, PEAK
SIZE, DIA X HEIGHT (SEE DWG 127-3220)	.375 X .245	IN
WEIGHT	3.5	GRAMS
CONNECTOR, RADIALLY MOUNTED	5-44	COAXIAL
MOUNTING SCREW, INSULATED (SUPPLIED)	2-56 X .437 LONG	SS
CASE MATERIAL	300 SERIES STAINLESS STEEL	
SEAL	HERMETIC, WELDED/GLASS TO METAL	

SENSITIVITY VS. TEMPERATURE:



ACCESSORIES PROVIDED: (1) MODEL 6165 MOUNTING SCREW ASSEMBLY.

[1] Measured at 100 Hz, 1 G RMS.