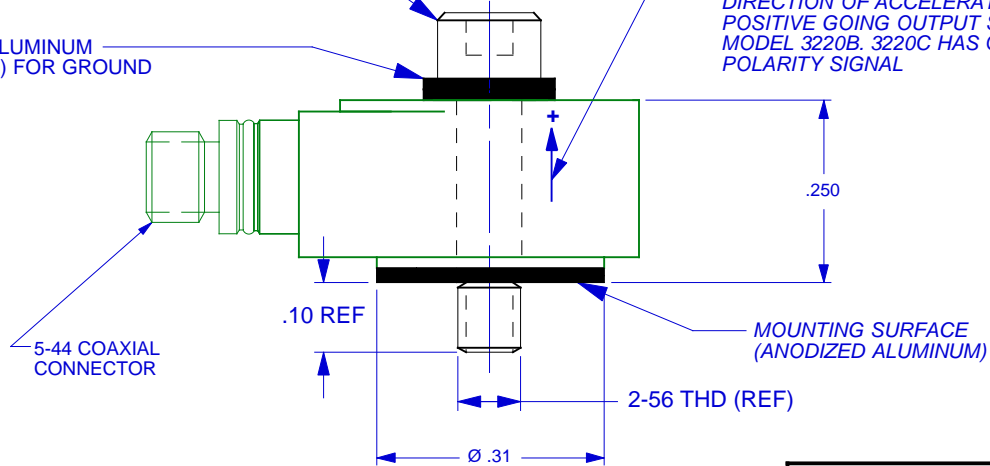


MODEL 6165 MOUNTING SCREW  
ASSY  
(REMOVABLE)  
NOT SHOWN IN TOP VIEW

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.

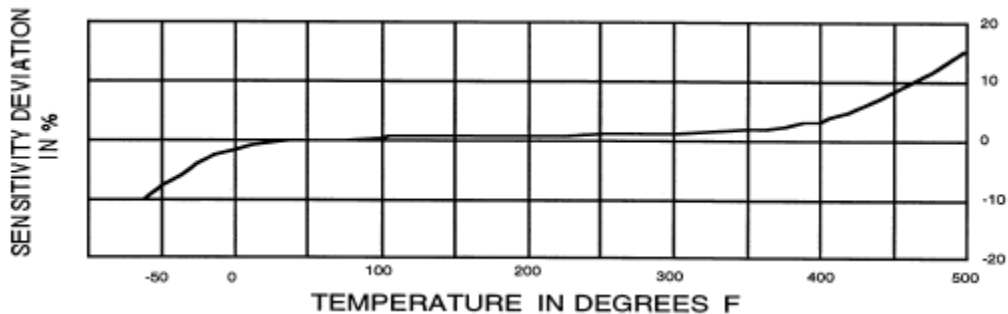
		CHATSWORTH, CA.							
		SCALE	4X	REV	-	DATE	-	ECN	-
DATE		4/4/96		PART NO.					
DRAWN		N.C.		CHECKED		D.Z.		MAT'L	
APPROVED		NEXT ASSEMBLY				USED ON		MODEL 3220B & C	
TITLE						DWG NO.			
<b>OUTLINE/INSTALLATION DRAWING MODELS 3220B &amp; 3220C</b>						<b>127-3220B</b>			
						SHEET		OF 1	



**SPECIFICATIONS MODEL 3220C MINIATURE CHARGE MODE ACCELEROMETER**

<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
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 5,000 (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	4.0	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.