



1. WEIGHT LESS CABLES-5.5 GRAMS.

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		6/24/96		PART NO.		MODEL 3220M6 (T-049149-7)		
DRAWN		N.C.		CHECKED		D.Z.		
APPROVED				NEXT ASSEMBLY		USED ON		
TITLE						DWG NO.		
<b>OUTLINE/INSTALLATION DRAWING</b> <b>MODEL 3220M6 (T-049149-7)</b>						<b>127-3220M6</b>		
						SHEET 1 OF 2		



## SPECIFICATIONS

### MODEL 3220M6 MINIATURE VOLTAGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
WEIGHT	5.5	GRAMS
SIZE (DIA x LENGTH x HEIGHT)	0.375 x 0.67 x .24	INCHES
MOUNTING PROVISION	FLAT MOUNTING SURFACE FOR ADHESIVE MOUNT	
CONNECTOR, RADially MOUNTED	SOLDER TERMINALS	
CASE/CAP MATERIAL	300 SERIES SS	
<b>PERFORMANCE</b>		
SENSITIVITY, (+/- 1 mV/G)	10.0	mV/G
RANGE F.S.	500	G's
FREQUENCY RESPONSE, +/- 5%	2 to 5000	Hz
PHASE RESPONSE	<4 DEG. @2Hz	
DISCHARGE TIME CONSTANT	1.6 to 4.0	SEC
MOUNTED RESONANT FREQUENCY, NOM.	>35	kHz
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	+/- 1.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.01	G's PER MICROSTRAIN @ 250 $\mu$
EQUIVALENT ELECTRICAL NOISE FLOOR	.007	G's RMS
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	1000	G's, RMS
MAXIMUM SHOCK	2000	G's, PEAK
TEMPERATURE RANGE	-65 to +250	DEG.
THERMAL COEFFICIENT OF SENSITIVITY	.03	%/°F
ENVIRONMENTAL SEAL	WELDED/GLASS TO METAL	
HERMETIC		
<b>ELECTRICAL</b>		
SUPPLY VOLTAGE RANGE	+18 to +30	VDC
SUPPLY CURRENT RANGE	1.54 to 20	mA
OUTPUT IMPEDANCE, NOM.	100	OHMS
BASE ISOLATION @50 VDC	>10	MEGOHMS

#### SUPPLIED ACCESSORIES:

PERMANENTLY ATTACHED 18 INCH LONG HOOK UP WIRE WITH SHRINK TUBING.

#### NOTES:

1) A CALIBRATION CERTIFICATE TRACEABLE TO **NIST** IS SUPPLIED WITH EACH INSTRUMENT.