



5. MODEL 3200B HAS A 1/4-28 MOUNTING STUD, MODEL 3200BT HAS A 10-32 STUD AND MODEL 3200BM HAS A 6mm X 1.0 MOUNTING STUD. ALL STUDS ARE .200 LONG.

4. MOUNTING HOLE PREPARATION FOR SERIES 3200BM:  
DRILL 5mm (Ø.1969) X 7mm(.276) DEEP  
TAP M6 x 1.0 X 6mm(.236) DEEP  
HOLE TO BE PERPENDICULAR WITHIN  $\pm 1^\circ$ .

3. PREPARE MOUNTING SURFACE AS SHOWN.  
APPLY A LAYER OF SILICONE GREASE TO MOUNTING SURFACE. TORQUE 3200B & BM IN PLACE WITH 50 LB-INCHES, TORQUE 3200BT IN PLACE WITH 30 LB-INCHES.

2. HOUSING MAT'L: 17-4 PH ST. STEEL.

1. WEIGHT - 6 GRAMS

REDRAWN ON CAD 12/14/95

<b>DYTRAN</b> INSTRUMENTS, INC.		CHATSWORTH, CA.					
SCALE	4X	REV	D	DATE	7/26/04	ECN	
DATE	11/30/81	PART NO.					
DRAWN	N.C.	CHECKED	N.C.	MAT'L			
APPROVED		NEXT ASSEMBLY			USED ON		
TITLE						DWG NO.	
OUTLINE/INSTALLATION DRAWING, SERIES 3200B, 3200BT & 3200BM LIVM SHOCK ACCELEROMETERS						127-3200B	
						SHEET 1 OF 1	



**SPECIFICATIONS, MODEL SERIES 3200B, 3200BT & 3200BM [1]  
LIVM HIGH SHOCK ACCELEROMETERS**

**SPECIFICATIONS BY MODEL**

MODELS	RANGE F.S. (G's)	MAXIMUM SHOCK (G's)	SENSITIVITY (NOM) [2] (mV/G)	ELECTRICAL NOISE (G's)	NATURAL FREQUENCY (kHz)
3200B , BT & BM	80,000	100,000	0.05	0.014	130
3200B2, B2T & B2M	50,000	100,000	0.1	0.007	130
3200B3, B3T & B3M	20,000	100,000	0.25	0.0028	130
3200B4, B4T & B4M	10,000	50,000	0.5	0.0014	130
3200B5, B5T & B5M	5000	50,000	1.0	0.0007	130
3200B6, B6T & B6M	2500	50,000	2.0	0.0035	100

**COMMON SPECIFICATIONS**

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT, NOM.	1.0	SECOND
LOW FREQUENCY -3db POINT, NOM.	.16	Hz
LOW FREQUENCY -5% POINT	.50	Hz
LINEARITY [3]	±1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	3.0	%
OUTPUT IMPEDANCE, NOM.	100	OHMS
OUTPUT VOLTAGE BIAS, NOM.	+11	VDC
SUPPLY CURRENT RANGE [4]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [4]	+18 to +30	VDC
OPERATING TEMPERATURE RANGE	-60 to +250	°F
SIZE (HEX x HEIGHT) [5]	3/8 x .64	INCHES
WEIGHT	6	GRAMS
CONNECTOR, TOP MOUNTED	10-32	MICRO-COAXIAL
MATERIAL, HOUSING/CONNECTOR	17-4 PH	STAINLESS STEEL
MOUNTING PROVISION, 3200B/3200BT/3200BM	1/4-28/10-32/M6 x 1.0	INTEGRAL STUD
ENVIRONMENTAL SEAL	EPOXY	
ISOLATION, CASE TO MOUNTING SURFACE	10	MEGOHMS

- [1] Model series 3200B features 1/4-28 mounting stud, series 3200BT features 10-32 stud, series 3200BM has a m6 x 1.0 metric mounting stud. All other characteristics are identical.
- [2] Measured by impacting against calibrated force sensor. NIST traceable.
- [3] Percent of full scale or any lesser designated full scale range, zero-based best fit straight line method.
- [4] Power only with Dytran or Dytran approved current source type power unit. Do not supply power without current limiting. You will destroy the integral electronics. This will void the warranty.
- [5] Height measured from mounting surface to top of connector. Integral mounting studs are .20 in. long.