



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

DYTRAN 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 (±10%) [2] (mV/G)	ELECTRICAL NOISE (G's)	NATURAL FREQUENCY (kHz)
3200B , BT & BM	+/-70,000	100,000	0.05	1.4	>90
3200B2, B2T & B2M	+/-50,000	100,000	0.1	0.7	>90
3200B3, B3T & B3M	+/-20,000	100,000	0.25	0.28	>90
3200B4, B4T & B4M	+/-10,000	50,000	0.5	0.14	>90
3200B5, B5T & B5M	+/- 5,000	50,000	1.0	0.07	>90
3200B6, B6T & B6M	+/- 2,500	50,000	2.0	0.035	>90

COMMON SPECIFICATIONS

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT	1.0 to 1.5	SECOND
LOW FREQUENCY -3db POINT, NOM.	.16	Hz
LOW FREQUENCY -5% POINT	.50	Hz
FREQUENCY RESPONSE, ±10%	.35 to 10000	Hz
LINEARITY [3]	±1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	3.0	%
OUTPUT IMPEDANCE, NOM.	100	OHMS
OUTPUT VOLTAGE BIAS	+7.5 to +9.5	VDC
SUPPLY CURRENT RANGE [4]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [4]	+18 to +20	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 (MIN.)	10	GIGOHMS

[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.