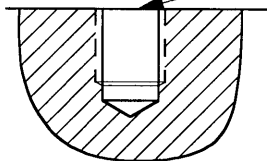


MODEL	REV	ECN	SENSITIVITY	F.S. RANGE, ±5V
3055B1	A	6303	10 mV/G	±500 G's
3055B2	A	6303	100 mV/G	±50 G's
3055B3	A	6303	500 mV/G	±10 G's
3055B4	A	6303	50 mV/G	±100 G's
3055B6	A	6303	200 mV/G	±25 G's

MODEL 6200 MOUNTING STUD, PROVIDED

10-32 THD., TYP



MOUNTING HOLE PREPARATION:
 SELECT SURFACE FLAT TO .001 TIR
 DRILL #21 (.159) DIA. X .250 DEEP
 BOTTOM TAP 10-32 UNF-2B X .200
 MIN. DEPTH PERF. THD.

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6303	ROTATED MARKING 90° CW	RLA 10/05/09	JS	ANS

DYTRAN INSTRUMENTS, INC. MASTER ONLY IF IN RED CHATSWORTH, CA.

SCALE	2X	REV	-	DATE	SEE REV BLK	ECN	-
DATE	12/22/04	PART NO.	SERIES 3055B				
DRAWN	N.C.	CHECKED	R.A.	MAT'L	-		
APPROVED	PML	8/31/06	NEXT ASSEMBLY	USED ON		3055B1, B2, B3, B4 & B6	
TITLE						DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL SERIES 3055B						127-3055B	
SHEET						1 OF 1	

1. CASE AND CONNECTOR MATERIAL: TITANIUM.

SPECIFICATIONS
MODEL SERIES 3055B LIVM ACCELEROMETERS

SPECIFICATION	VALUE					UNITS
PHYSICAL						
WEIGHT	10					Grams
SIZE, HEX x HEIGHT	.50 x 0.62					Inches
MOUNTING PROVISION	10-32 X .150 DEEP TAPPED HOLE					
CONNECTOR, RADIALLY MOUNTED	10-32					Coaxial
MATERIAL, BASE, CAP & CONNECTOR	TITANIUM					
SEISMIC ELEMENT TYPE	CERAMIC, PLANAR SHEAR					
PERFORMANCE						
	MODELS					
	3055B1	3055B2	3055B3	3055B4	3055B6	
SENSITIVITY, $\pm 5\%$ [1]	10	100	500	50	200	mV/g
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 500	± 50	± 10	± 100	± 25	g's
FREQUENCY RANGE, $\pm 5\%$ (all models)	1 to 10,000					Hz
RESONANT FREQUENCY, NOM. (all models)	35					kHz
EQUIVALENT ELECTRICAL NOISE (1Hz-10 kHz)	.001	.0002	.0002	.0003	.0002	grms
LINEARITY [2] (all models)	± 2					% F.S.
TRANSVERSE SENSITIVITY, MAX. (all models)	5					%
ENVIRONMENTAL						
	3055B1	3055B2	3055B3	3055B4	3055B6	
MAXIMUM VIBRATION/SHOCK	600/3000	400/2000	200/1000	500/2000	300/2000 \pm	gpk
TEMPERATURE RANGE	-60 to +250	-60 to +250	-60 to +225	-60 to +250	-60 to +225	$^{\circ}$ F
SEAL, HERMETIC	Glass-to-metal/welded					
COEFFICIENT OF THERMAL SENSITIVITY	.06					%/ $^{\circ}$ F
ELECTRICAL						
SUPPLY CURRENT [3]	2 to 20					mA
COMPLIANCE VOLTAGE RANGE	18 to +30					Volts
OUTPUT IMPEDANCE, TYP.	100					Ω
BIAS VOLTAGE	+11 to +13					VDC
DISCHARGE TIME CONSTANT	0.5 to 1.0					Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive					Positive
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE	10 min					M Ω

Accessories supplied: (1) Model 6200 mounting stud.

[1] Measured at 100 Hz, 1 grms per ISA RP 37.2.

[2] Measured using zero-based best straight line method, % of F.S. or any lesser range.

[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.