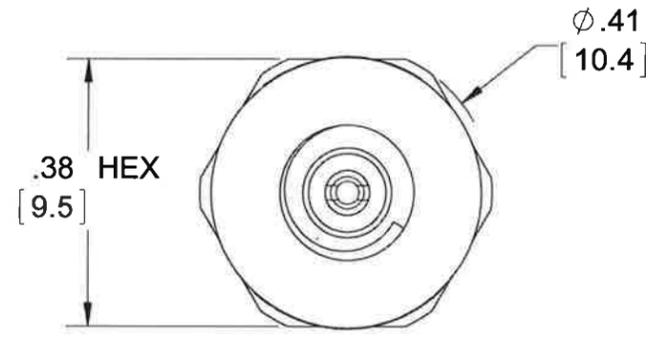


PROPRIETARY AND CONFIDENTIAL

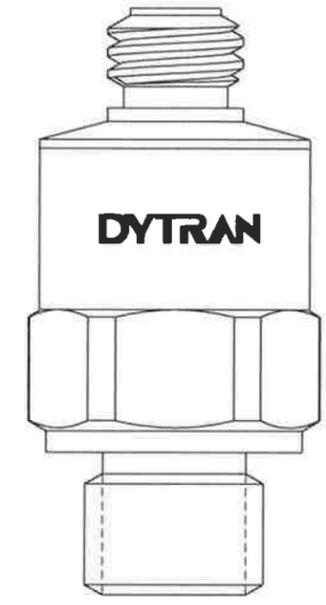
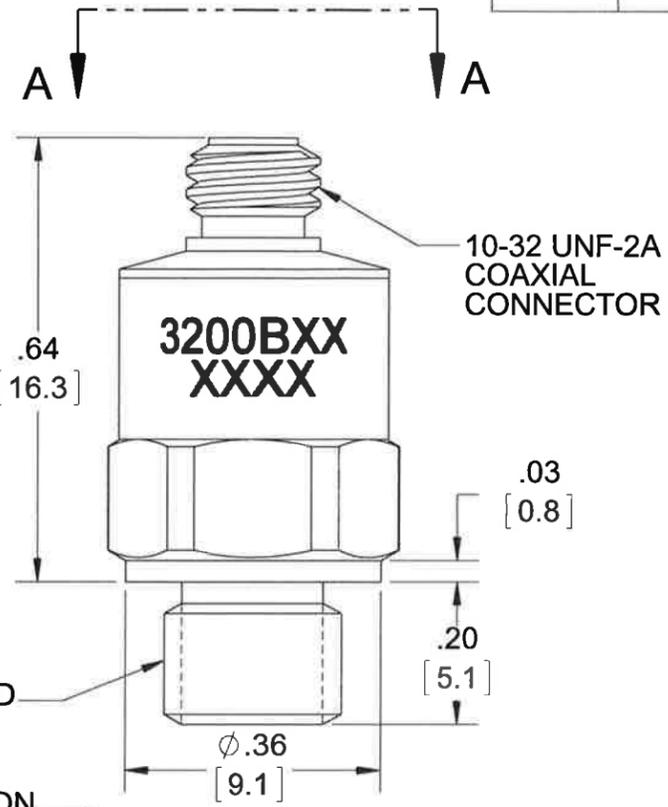
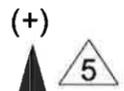
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REVISIONS

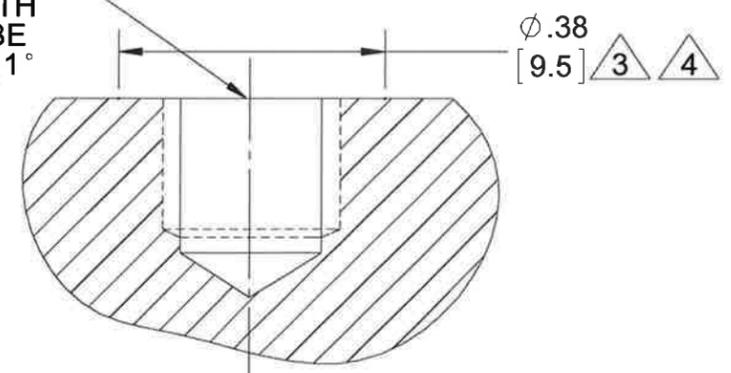
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	11055	UPDATED VIEWS. CONVERTED TO SOLIDWORKS	EC 07/02/14	JLS	



VIEW A-A



MOUNTING HOLE PREPARATION  
TAP 1/4-28 UNF-2B X .25 [6.4] MIN DEPTH  
OF PERFECT THREAD. HOLE TO BE  
PERPENDICULAR WITHIN ±1°



3200B SERIES

5 ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE - GOING OUTPUT SIGNAL

4 PREPARE FLAT SURFACE TO THIS DIA. WITH A FINISH OF OR BETTER AND FLAT TO .001 TIR.

3 PREPARE MOUNTING SURFACE AS SHOWN. APPLY A LAYER OF SILICONE GREASE TO MOUNTING SURFACE. TORQUE IN PLACE WITH 50 LB-IN.

2. HOUSING MATERIAL: 17-4 PH STAINLESS STEEL

1. WEIGHT: 6 GRAMS MAX

NOTES: UNLESS OTHERWISE SPECIFIED

<small>UNLESS OTHERWISE SPECIFIED: INTERPRET DIM &amp; TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. DIMENSIONS APPLY AFTER FINISHING.</small>	<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE:</small>				
	<small>DECIMALS</small> .XX ±.03 .XXX ±.010	<small>METRIC</small> .X ± 0.8 .XX ±0.25	<small>ANGLES</small> ±1°	<small>TITLE:</small> <b>OUTLINE/INSTALLATION DRAWING,          SERIES 3200B, LIVM, SHOCK          ACCELEROMETERS</b>	
	<small>APPROVALS</small> ORIG NC CHK NC APP DV	<small>DATE</small> 11/30/81 11/30/81 8/8/14	<small>SIZE</small> <b>B</b>	<small>CAGE CODE</small> <b>2W033</b>	<small>DWG NO</small> <b>127-3200B</b>
	<small>DO NOT SCALE DRAWING</small>	<small>THIRD ANGLE PROJECTION</small> 	<small>SCALE:</small> 4:1	<small>REV</small> <b>E</b>	<small>SHEET 1 OF 1</small>

<b>MODEL NUMBER</b> <b>3200B</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO</b> <b>PS3200B</b>
	<b>SINGLE AXIS ACCELEROMETER, IEPE</b>	REV D, ECN 15860, 07/28/20



- LIGHTWEIGHT
- HIGH NATURAL FREQUENCY
- BASE ISOLATED

**PHYSICAL**

Weight	Stud	0.21 oz	1/4-28 UNF-2A
Mounting Provision	Type	Coaxial	10-32 UNF-2A
Connector	Thread	17-4 PH S.S.	Quartz
Material Body	Material	Compression	
Sensing Element	Mode		

ENGLISH		SI	
0.21	oz	6.0	grams
1/4-28 UNF-2A		1/4-28 UNF-2A	
Coaxial		Coaxial	
10-32 UNF-2A		10-32 UNF-2A	
17-4 PH S.S.		17-4 PH S.S.	
Quartz		Quartz	
Compression		Compression	

**PERFORMANCE**

Sensitivity +/- 10% [1]	0.05 mV/g
Maximum Range F.S.	70000 g pk
Frequency Response, ± 5%	.49 to 10000 Hz
± 10%	.33 to 20000 Hz
± 3db	.16 to >50000 Hz
Mounted Resonant Frequency	> 90 kHz
Electrical Noise	1.4 g RMS
Linearity [2]	± 1% %F.S
Transverse Sensitivity, Max.	3 %

0.005 mV/m/s <sup>2</sup>	0.005 mV/m/s <sup>2</sup> pk	.49 to 10000 Hz	.49 to 10000 Hz	.33 to 20000 Hz	.16 to >50000 Hz	> 90 kHz	13.73 m/s <sup>2</sup> RMS	± 1% %F.S	3 %
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**ENVIRONMENTAL**

Maximum Shock	± 100000 g pk
Temperature Range	-60 to +250 °F
Seal	Epoxy

± 981000 m/s <sup>2</sup> pk	-51 to +121 °C	Epoxy
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**ELECTRICAL**

Power Supply [3]	2 to 20 mA
Compliance Voltage Range	+18 to +30 V
Output Impedance	100 Ω
Bias Voltage	+7.5 to +9.5 VDC
Discharge Time Constant	1 to 1.5 sec
Electrical Isolation [4]	10 GΩ
Grounding	Base Isolated

2 to 20 mA	+18 to +30 V	100 Ω	+7.5 to +9.5 VDC	1 to 1.5 sec	10 GΩ	Base Isolated
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**This family also includes:**

Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp(°F)	Time Constant (Sec)
3200B2	0.1	50000	0.7	-60 to +250	1.0 to 1.5
3200B3	0.25	20000	0.28	-60 to +250	1.0 to 1.5
3200B4	0.5	10000	0.14	-60 to +250	1.0 to 1.5
3200B5	1.0	5000	0.07	-60 to +250	1.0 to 1.5
3200B6	2.0	2500	0.035	-60 to +250	1.0 to 1.5

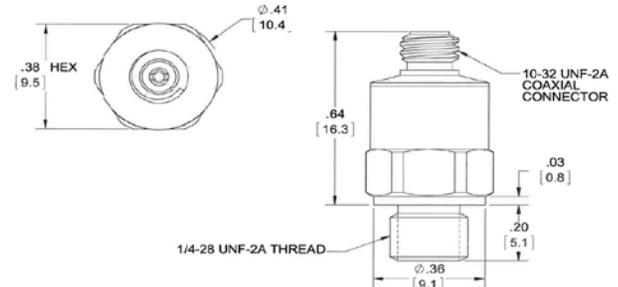
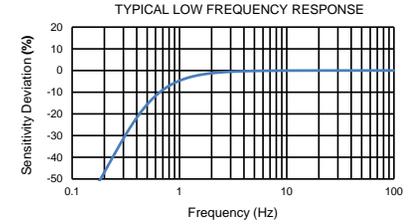
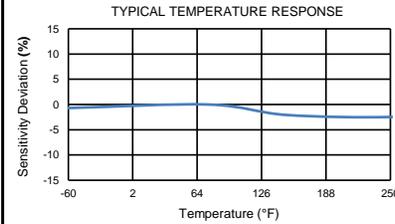
Refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] Note Removed
- [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.
- [4] Case ground to mounting surface.
- [5] In the interest of constant product improvement, we reserve the rights to change the specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3200B for more information.



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