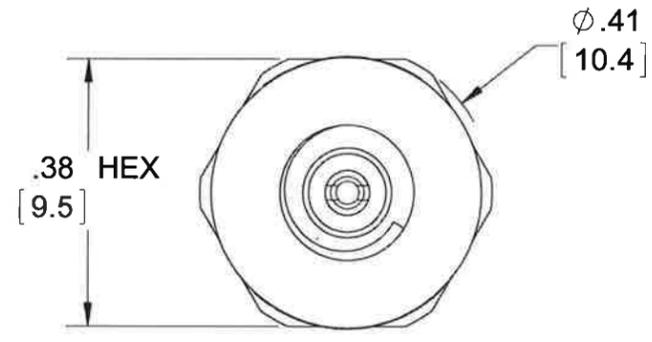


PROPRIETARY AND CONFIDENTIAL

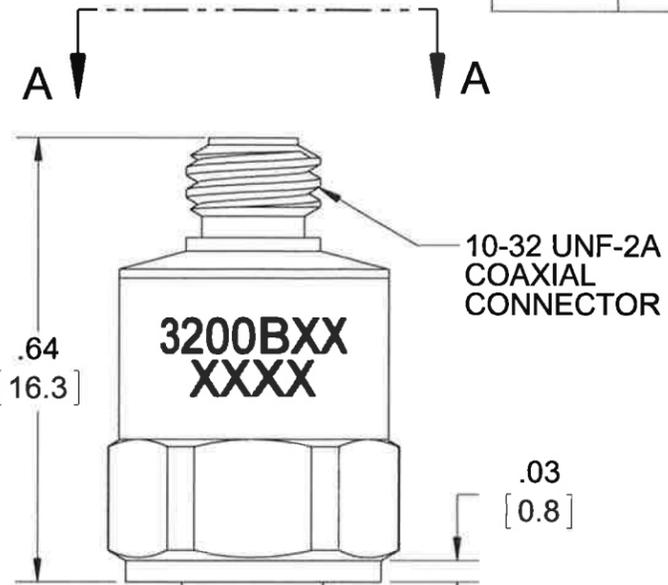
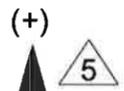
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REVISIONS

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



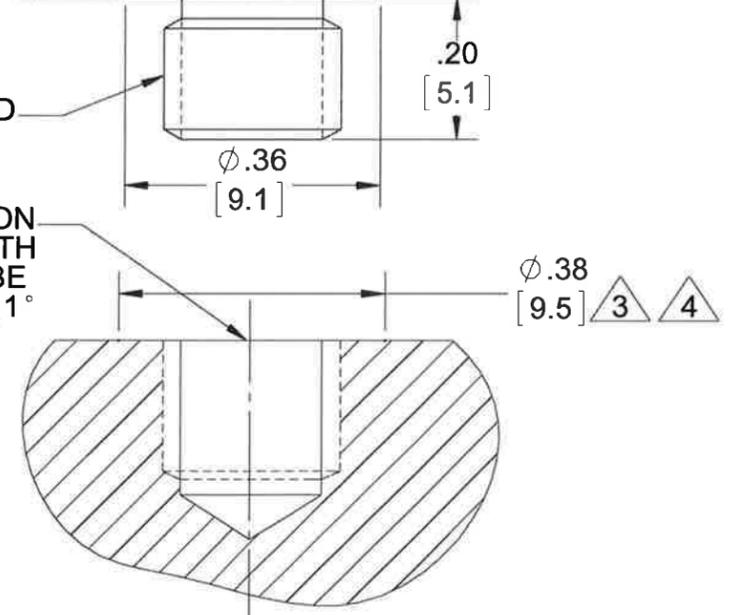
VIEW A-A



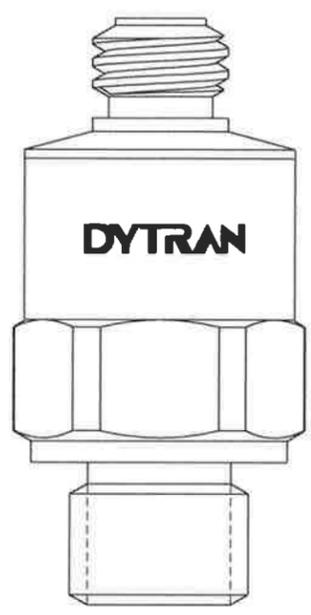
10-32 UNF-2A COAXIAL CONNECTOR

1/4-28 UNF-2A THREAD

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

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & 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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:											
DECIMALS .XX ±.03 .XXX ±.010	METRIC .X ± 0.8 .XX ±0.25	ANGLES ±1°	<table border="1"> <thead> <tr> <th>APPROVALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>ORIG NC</td> <td>11/30/81</td> </tr> <tr> <td>CHK NC</td> <td>11/30/81</td> </tr> <tr> <td>APP </td> <td>8/8/14</td> </tr> </tbody> </table>		APPROVALS	DATE	ORIG NC	11/30/81	CHK NC	11/30/81	APP	8/8/14	TITLE: OUTLINE/INSTALLATION DRAWING, SERIES 3200B, LIVM, SHOCK ACCELEROMETERS
APPROVALS	DATE												
ORIG NC	11/30/81												
CHK NC	11/30/81												
APP	8/8/14												
ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.			DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION	<table border="1"> <tr> <td>SIZE B</td> <td>CAGE CODE 2W033</td> <td>DWG NO 127-3200B</td> <td>REV E</td> </tr> </table>	SIZE B	CAGE CODE 2W033	DWG NO 127-3200B	REV E				
SIZE B	CAGE CODE 2W033	DWG NO 127-3200B	REV E										
SCALE: 4:1				SHEET 1 OF 1									

MODEL NUMBER 3200B3	PERFORMANCE SPECIFICATION	DOC NO PS3200B3
	SINGLE AXIS ACCELEROMETER, IEPE	REV D, ECN 15860, 07/28/20



- LIGHTWEIGHT
- HIGH NATURAL FREQUENCY
- BASE ISOLATED

PHYSICAL

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

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

	ENGLISH	SI
Sensitivity +/- 10% [1]	0.25 mV/g	0.03 mV/m/s ²
Maximum Range F.S.	20000 g pk	196000 m/s ² pk
Frequency Response, ± 5%	.49 to 10000 Hz	.49 to 10000 Hz
	.33 to 20000 Hz	.33 to 20000 Hz
	.16 to >50000 Hz	.16 to >50000 Hz
Mounted Resonant Frequency	> 90 kHz	> 90 kHz
Electrical Noise	0.28 g RMS	2.7 m/s ² RMS
Linearity [2]	± 1% %F.S	± 1% %F.S
Transverse Sensitivity, Max.	3 %	3 %

ENVIRONMENTAL

	ENGLISH	SI
Maximum Shock	± 100000 g pk	± 981000 m/s ² pk
Temperature Range	-60 to +250 °F	-51 to +121 °C
Seal	Epoxy	Epoxy

ELECTRICAL

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

This family also includes:

Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp(°F)	Time Constant (Sec)
3200B	0.05	70000	1.4	-60 to +250	1.0 to 1.5
3200B2	0.1	50000	0.7	-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

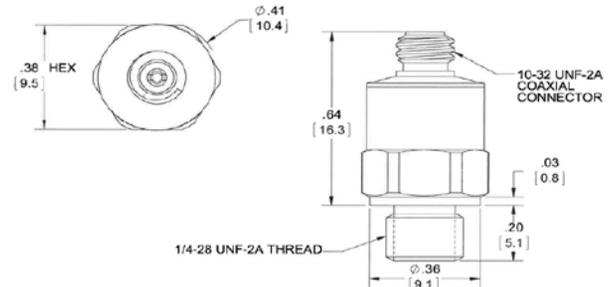
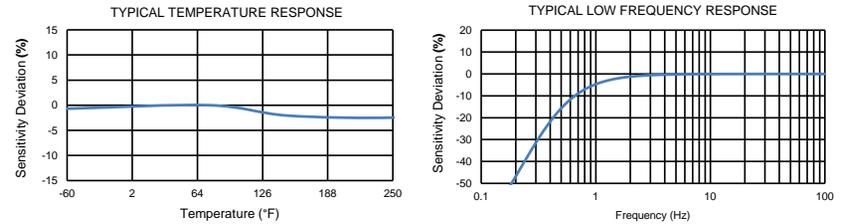
Refer to the performance specifications of the products in this family for detailed description.

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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