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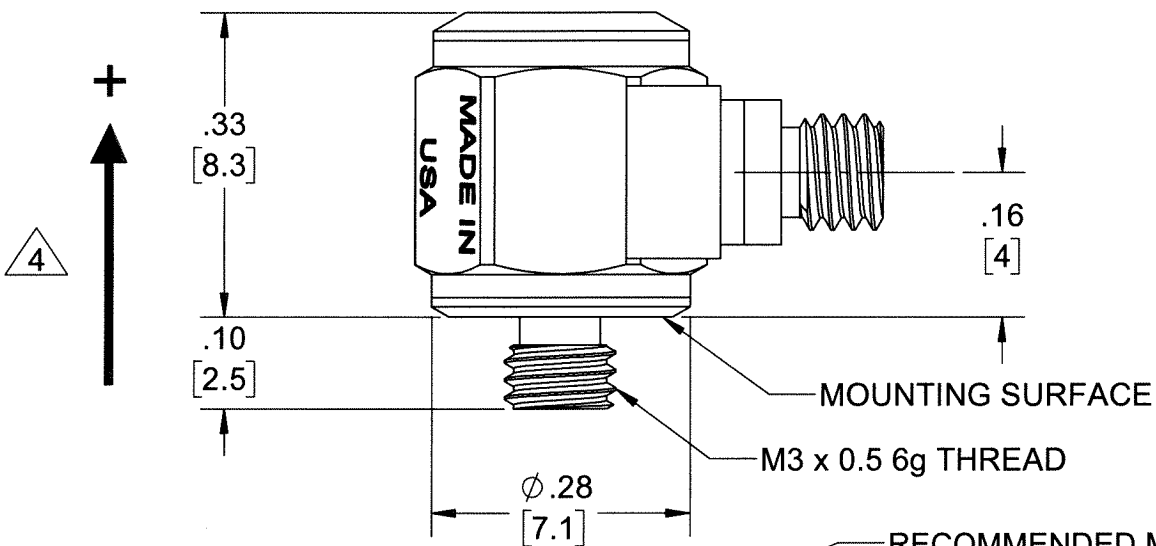
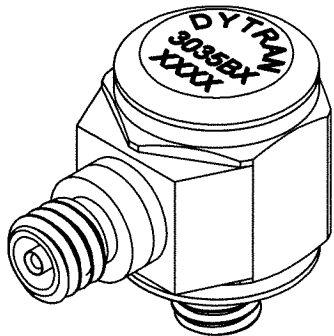
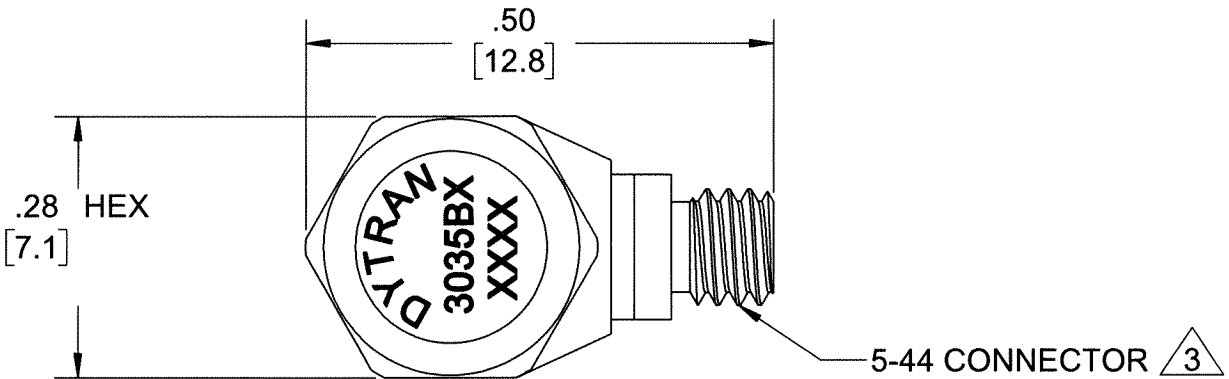
1

DWG NO 127-3035B4 SH 1 REV A

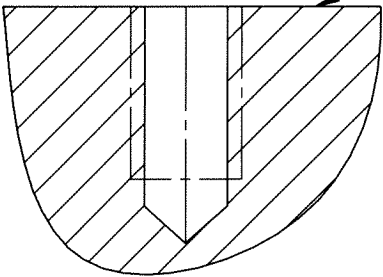
REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14994	INITIAL RELEASE	DA, 04/02/19		

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RECOMMENDED MOUNTING PREP:
PREPARE MOUNTING SURFACE FLAT TO .001 TIR.
TAP M3X0.5 6H ∇ .12 MIN. RECOMMENDED MOUNTING TORQUE 3.0 - 4.0 LB-IN
FOR BEST FREQUENCYRESPONSE MOUNTING SURFACE MUST CONTACT ENTIRE
ACCELEROMETER MOUNTING SURFACE



MODEL	SENSITIVITY (mV/g)
3035B4	5
3035B5	10
3035B6	50
3035B7	100

5. OPERATING TEMPERATURES: (-60 TO +250°F) (-51 TO +121°C)

4 ARROW INDICATES SENSE & DIRECTION OF ACCELERATION,
FOR POSITIVE OUTPUT SIGNAL

3 MATES WITH DYTRAN CABLES: 6014AXX, 6021AXX, 6024AXX, 6028AXX, 6040AXX,
6025AXX, 6056AXX, 6017AXX, 6029AXX AND 6092AXX. ("XX" = LENGTH IN FEET).

2. WEIGHT: 2.5 GRAMS MAX

1. MATERIAL: HOUSING/ CONNECTOR 300 SERIES STAINLESS STEEL.

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.

ALL MACHINED SURFACES: $\checkmark$
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.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

DECIMALS METRIC ANGLES
.XX $\pm$.03 .X $\pm$ 0.8 $\pm$ 1°
.XXX $\pm$.010 .XX $\pm$ 0.25

APPROVALS		DATE
ORIG	DA	04/01/19
CHK		4/8/19
APP		4/9/19

DO NOT SCALE DRAWING



MASTER
ONLY IF IN RED

TITLE: OUTLINE/INSTALLATION
DRAWING, MODEL 3055B4-B7,
M3x0.5

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3035B4	A

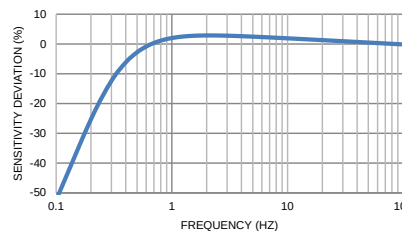
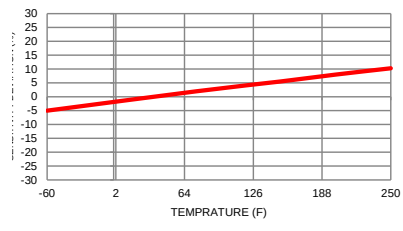
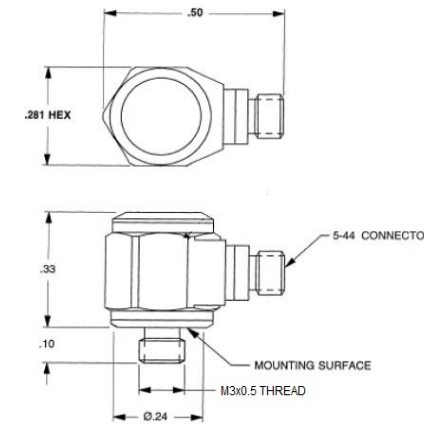
SCALE: 4:1 SHEET 1 OF 1

4

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2

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Model Number		PERFORMANCE SPECIFICATIONS				DOC NO																																
3035B5						PS3035B5																																
		IEPE ACCELEROMETER				REV A, ECN 14994, 04/01/19																																
		• MINATURE SIZE • HERMETICALLY SEALED • M3x0.5 STUD MOUNT				This family also includes: <table><tr><th>Model</th><th>Range F.S. (g)</th><th>Sensitivity (mV/g)</th><th>Time Constant (Sec)</th></tr><tr><td>3035B4</td><td>± 1000</td><td>5</td><td>0.8 to 2</td></tr><tr><td>3035B6</td><td>± 100</td><td>50</td><td>0.8 to 2</td></tr><tr><td>3035B7</td><td>± 50</td><td>100</td><td>0.8 to 2</td></tr></table>		Model	Range F.S. (g)	Sensitivity (mV/g)	Time Constant (Sec)	3035B4	± 1000	5	0.8 to 2	3035B6	± 100	50	0.8 to 2	3035B7	± 50	100	0.8 to 2															
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		Refer to the performance specifications of the products in this family for detailed description																																				
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)																																				
		Notes: [1] Measured at 100Hz, 1 Grms per ISA RP 37.2. [2] Measure using zero-based straight line method, % of F.S. or any lesser range. [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.																																				
PHYSICAL Weight, Max. Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		<table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>0.09</td><td>oz</td><td>2.5</td><td>grams</td></tr><tr><td>5-44 Coaxial</td><td></td><td>5-44 Coaxial</td><td></td></tr><tr><td>M3x0.5 Integral Stud</td><td></td><td>M3x0.5 Integral Stud</td><td></td></tr><tr><td>300 Series Stainless Steel</td><td></td><td>300 Series Stainless Steel</td><td></td></tr><tr><td>Ceramic</td><td></td><td>Ceramic</td><td></td></tr><tr><td>Shear</td><td></td><td>Shear</td><td></td></tr></table>	ENGLISH		SI		0.09	oz	2.5	grams	5-44 Coaxial		5-44 Coaxial		M3x0.5 Integral Stud		M3x0.5 Integral Stud		300 Series Stainless Steel		300 Series Stainless Steel		Ceramic		Ceramic		Shear		Shear									
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PERFORMANCE Sensitivity, ±10% [1] Range for ± 5 Volts Output Frequency Response, ±10% Resonant Frequency Broad Band Resolution Linearity [2] Maximum Transverse sensitivity Strain Sensitivity @ 250µε		<table><tr><td>10</td><td>mV/g</td><td>1</td><td>mV/m/s²</td></tr><tr><td>±500</td><td>g</td><td>±4905</td><td>m/s²</td></tr><tr><td>0.5 to 10000</td><td>Hz</td><td>0.5 to 10000</td><td>Hz</td></tr><tr><td>> 45</td><td>kHz</td><td>> 45</td><td>kHz</td></tr><tr><td>0.004</td><td>Grms</td><td>0.04</td><td>m/s² rms</td></tr><tr><td>±1</td><td>% F.S.</td><td>±1</td><td>% F.S.</td></tr><tr><td>5</td><td>%</td><td>5</td><td>%</td></tr><tr><td>0.002</td><td>g/µε</td><td>0.02</td><td>m/s²/µε</td></tr></table>	10	mV/g	1	mV/m/s ²	±500	g	±4905	m/s ²	0.5 to 10000	Hz	0.5 to 10000	Hz	> 45	kHz	> 45	kHz	0.004	Grms	0.04	m/s ² rms	±1	% F.S.	±1	% F.S.	5	%	5	%	0.002	g/µε	0.02	m/s ² /µε				
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ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range Seal		<table><tr><td>1000</td><td>Gpeak</td><td>9810</td><td>m/s² peak</td></tr><tr><td>10000</td><td>Gpeak</td><td>98067</td><td>m/s² peak</td></tr><tr><td>-60 to +250</td><td>°F</td><td>-51 to +121</td><td>°C</td></tr><tr><td>Hermetic</td><td></td><td>Hermetic</td><td></td></tr></table>	1000	Gpeak	9810	m/s ² peak	10000	Gpeak	98067	m/s ² peak	-60 to +250	°F	-51 to +121	°C	Hermetic		Hermetic																					
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ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation		<table><tr><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>18 to 30</td><td>Volts</td><td>18 to 30</td><td>Volts</td></tr><tr><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>11 to 13</td><td>VDC</td><td>11 to 13</td><td>VDC</td></tr><tr><td>0.8 to 2</td><td>Sec</td><td>0.8 to 2</td><td>Sec</td></tr><tr><td>Case Grounded</td><td>GΩ,min</td><td>Case Grounded</td><td>GΩ,min</td></tr></table>	2 to 20	mA	2 to 20	mA	18 to 30	Volts	18 to 30	Volts	100	Ω	100	Ω	11 to 13	VDC	11 to 13	VDC	0.8 to 2	Sec	0.8 to 2	Sec	Case Grounded	GΩ,min	Case Grounded	GΩ,min												
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		TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE  																																				
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3035B4 for more information.																																						



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