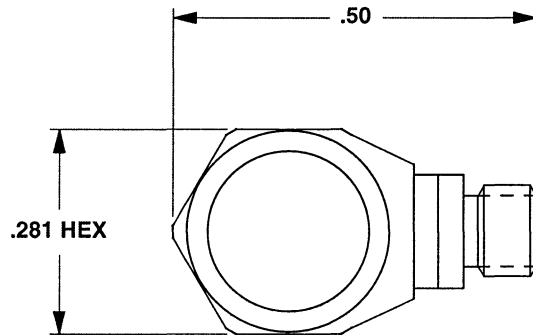
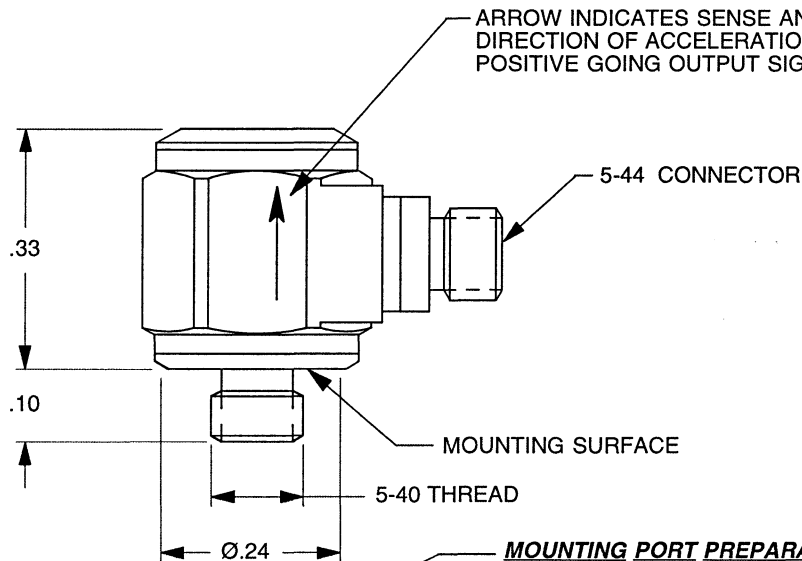


ACTUAL SIZE



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

5-44 CONNECTOR

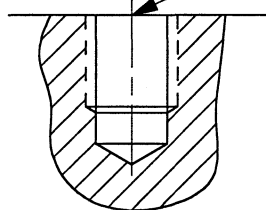
MOUNTING SURFACE

5-40 THREAD

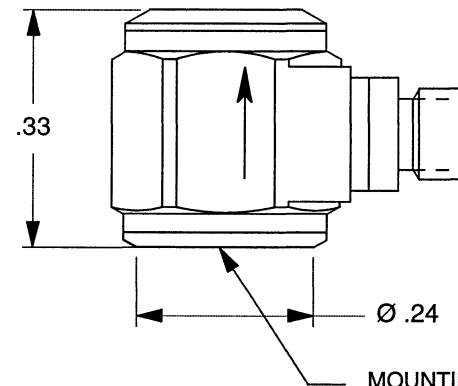
Ø.24

MOUNTING PORT PREPARATION: 3035B

SELECT OR PREPARE A FLAT AREA OF AT LEAST Ø.250, FLAT TO .001 TIR.
AT THE CENTER, DRILL #38 (Ø.101) X .150 DEEP, MIN.
TAP 5-40 UNC-2B X .125 DEEP, MIN.



MODEL 3035B



MOUNTING SURFACE

MODEL 3035BG

MOUNTING SURFACE PREPARATION: 3035BG

SELECT OR PREPARE A FLAT AREA OF AT LEAST Ø.250, FLAT TO .001 TIR. CLEAN TO REMOVE CONTAMINANTS. APPLY ADHESIVE TO SURFACE OR TO ACCELEROMETER AND PRESS TOGETHER UNTIL ADHESIVE SETS.

2. MOUNTING TORQUE ON .281 HEX: 3 TO 4 LB.-IN.

1. WEIGHT: 2.5 GRAMS.



**MASTER
ONLY IF IN RED**

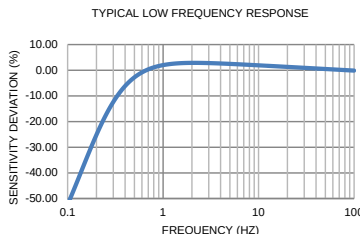
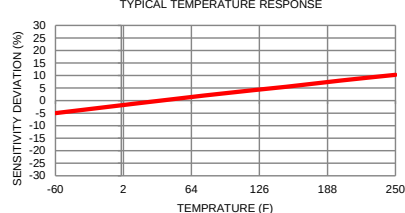
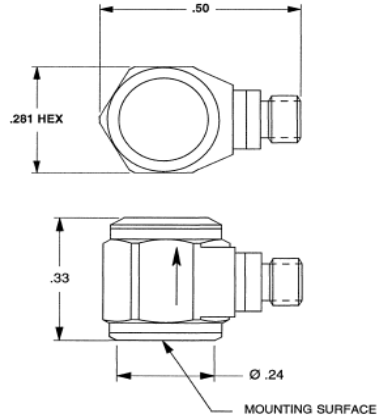
CHATSWORTH, CA.

SCALE	4X	REV	D	DATE	6/10/04	ECN	N/A			
DATE	12/02/02	PART NO.	MODELS 3035B, 3035BG							
DRAWN	N.C.	CHECKED	R.A.	MAT'L						
APPROVED	6/10/04		NEXT ASSEMBLY				USED ON			
TITLE							DRAWN BY			

**OUTLINE/INSTALLATION DRAWING, MODELS
3035B & 3035BG LIVM ACCELEROMETERS**

DWG NO.
127-3035B/G

SHEET 1 OF 1

Model Number		PERFORMANCE SPECIFICATIONS				DOC NO																															
3035BG						PS3035BG																															
		IEPE ACCELEROMETER				REV D, ECN 16235, 06/22/21																															
		• MINATURE SIZE • HERMETICALLY SEALED • ADHESIVE MOUNT		This family also includes: <table><thead><tr><th>Model</th><th>Range F.S. (g pk)</th><th>Sensitivity (mV/g)</th><th>Time Constant (Sec)</th></tr></thead><tbody><tr><td>3035B1G</td><td>± 500</td><td>10</td><td>0.8 to 2</td></tr><tr><td>3035B2G</td><td>± 100</td><td>50</td><td>0.8 to 2</td></tr><tr><td>3035B3G</td><td>± 1000</td><td>5</td><td>0.8 to 2</td></tr></tbody></table> Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) Notes: [1] All specifications are at room temperature unless otherwise specified. [2] Measured at 100Hz, 1 g RMS per ISA RP 37.2. [3] Measure using zero-based straight line method, % of F.S. or any lesser range. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [5] In the interest of constant product improvement, we reserve the right to change 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 over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.				Model	Range F.S. (g pk)	Sensitivity (mV/g)	Time Constant (Sec)	3035B1G	± 500	10	0.8 to 2	3035B2G	± 100	50	0.8 to 2	3035B3G	± 1000	5	0.8 to 2														
Model	Range F.S. (g pk)	Sensitivity (mV/g)	Time Constant (Sec)																																		
3035B1G	± 500	10	0.8 to 2																																		
3035B2G	± 100	50	0.8 to 2																																		
3035B3G	± 1000	5	0.8 to 2																																		
PHYSICAL Weight, Max. Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		<table><thead><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr></thead><tbody><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>Adhesive</td><td></td><td>Adhesive</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></tbody></table>		ENGLISH		SI		0.09	oz	2.5	grams	5-44 Coaxial		5-44 Coaxial		Adhesive		Adhesive		300 Series Stainless Steel		300 Series Stainless Steel		Ceramic		Ceramic		Shear		Shear		TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE 					
ENGLISH		SI																																			
0.09	oz	2.5	grams																																		
5-44 Coaxial		5-44 Coaxial																																			
Adhesive		Adhesive																																			
300 Series Stainless Steel		300 Series Stainless Steel																																			
Ceramic		Ceramic																																			
Shear		Shear																																			
PERFORMANCE Sensitivity, ±10% [2] Range for ± 5 Volts Output Frequency Response, ±10% Resonant Frequency Broad Band Resolution Linearity [3] Maximum Transverse sensitivity Strain Sensitivity @ 250µε		<table><tbody><tr><td>100</td><td>mV/g</td><td>10.2</td><td>mV/m/s²</td></tr><tr><td>±50</td><td>g pk</td><td>±490.5</td><td>m/s² pk</td></tr><tr><td>0.34 to 10000</td><td>Hz</td><td>0.34 to 10000</td><td>Hz</td></tr><tr><td>> 45</td><td>kHz</td><td>> 45</td><td>kHz</td></tr><tr><td>0.0004</td><td>g RMS</td><td>0.004</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></tbody></table>		100	mV/g	10.2	mV/m/s ²	±50	g pk	±490.5	m/s ² pk	0.34 to 10000	Hz	0.34 to 10000	Hz	> 45	kHz	> 45	kHz	0.0004	g RMS	0.004	m/s ² RMS	±1	% F.S.	±1	% F.S.	5	%	5	%	0.002	g/µε	0.02	m/s ² /µε	MECHANICAL DRAWING  Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3035B/G for more information.	
100	mV/g	10.2	mV/m/s ²																																		
±50	g pk	±490.5	m/s ² pk																																		
0.34 to 10000	Hz	0.34 to 10000	Hz																																		
> 45	kHz	> 45	kHz																																		
0.0004	g RMS	0.004	m/s ² RMS																																		
±1	% F.S.	±1	% F.S.																																		
5	%	5	%																																		
0.002	g/µε	0.02	m/s ² /µε																																		
ENVIRONMENTAL Maximum Shock Temperature Range Seal		<table><tbody><tr><td>10000</td><td>g pk</td><td>98067</td><td>m/s² pk</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></tbody></table>		10000	g pk	98067	m/s ² pk	-60 to +250	°F	-51 to +121	°C	Hermetic		Hermetic																							
10000	g pk	98067	m/s ² pk																																		
-60 to +250	°F	-51 to +121	°C																																		
Hermetic		Hermetic																																			
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation		<table><tbody><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></tbody></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										
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																																		



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.698.0362 www.dytran.com
For permission to reprint this content, please contact info@dytran.com



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.698.0362 www.dytran.com
 For permission to reprint this content, please contact info@dytran.com