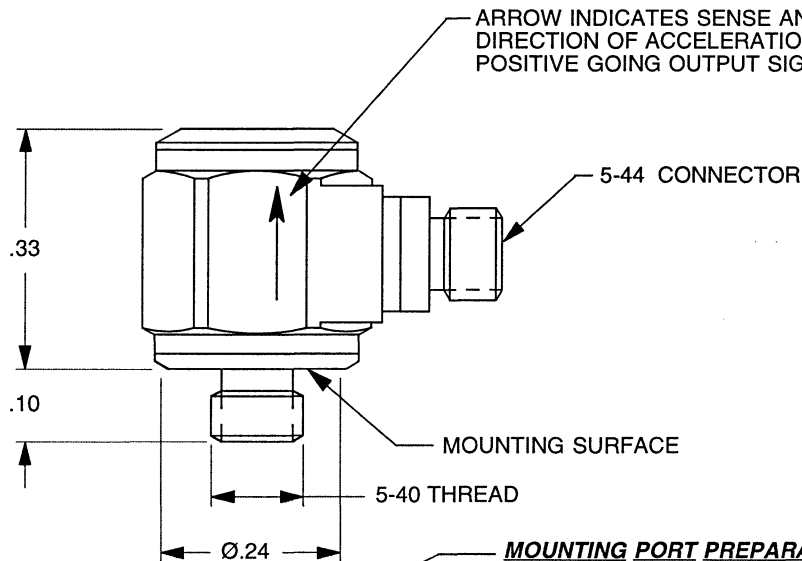


ACTUAL SIZE



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

5-44 CONNECTOR

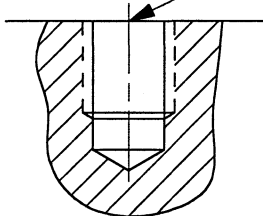
MOUNTING SURFACE

5-40 THREAD

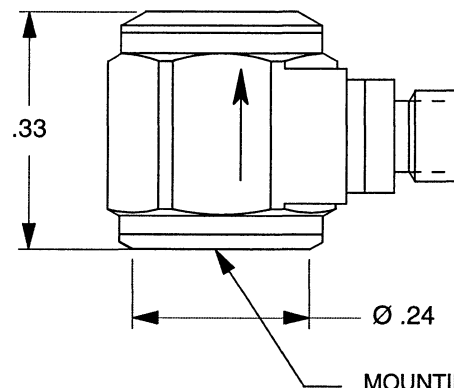
Ø.24

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.




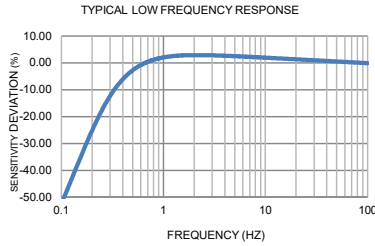
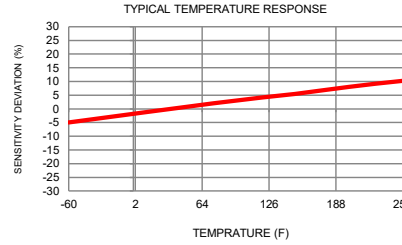
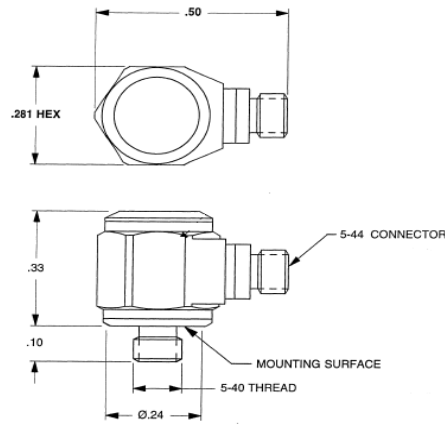
**MASTER
ONLY IF IN RED**


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 <i>[Signature]</i>	NEXT ASSEMBLY	USED ON			
TITLE OUTLINE/INSTALLATION DRAWING, MODELS 3035B & 3035BG LIVM ACCELEROMETERS					

DWG NO.
127-3035B/G

SHEET 1 OF 1

Model Number		PERFORMANCE SPECIFICATIONS				DOC NO																	
3035B						PS3035B																	
		IEPE ACCELEROMETER				REV D, ECN 16235, 06/22/21																	
	<div>• MINATURE SIZE</div> <div>• HERMETICALLY SEALED</div> <div>• STUD MOUNT</div>																						
PHYSICAL		ENGLISH		SI																			
Weight, Max.		0.09	oz	2.5	grams																		
Connector		5-44 Coaxial		5-44 Coaxial																			
Mounting Provision		5-40 Integral Stud		5-40 Integral Stud																			
Material, Housing/Connector		300 Series Stainless Steel		300 Series Stainless Steel																			
Sensing Element		Ceramic		Ceramic																			
Element Style		Shear		Shear																			
PERFORMANCE																							
Sensitivity, ±10% [2]		100	mV/g	10.2	mV/m/s ²																		
Range for ± 5 Volts Output		±50	g pk	±490.5	m/s ² pk																		
Frequency Response, ±10%		0.34 to 10000	Hz	0.34 to 10000	Hz																		
Resonant Frequency		> 45	kHz	> 45	kHz																		
Broad Band Resolution		0.0004	g RMS	0.004	m/s ² RMS																		
Linearity [3]		±1	% F.S.	±1	% F.S.																		
Maximum Transverse sensitivity		5	%	5	%																		
Strain Sensitivity @ 250µε		0.002	g/µε	0.02	m/s ² /µε																		
ENVIRONMENTAL																							
Maximum Shock		10000	g pk	98067	m/s ² pk																		
Temperature Range		-60 to +250	°F	-51 to +121	°C																		
Seal		Hermetic		Hermetic																			
ELECTRICAL																							
Supply Current Range [4]		2 to 20	mA	2 to 20	mA																		
Compliance Voltage Range		18 to 30	Volts	18 to 30	Volts																		
Output Impedance, Typ		100	Ω	100	Ω																		
Bias Voltage		11 to 13	VDC	11 to 13	VDC																		
Discharge Time Constant		0.8 to 2	Sec	0.8 to 2	Sec																		
Electrical Isolation		Case Grounded	GΩ,min	Case Grounded	GΩ,min																		
<div>This family also includes:</div> <table><tr><th>Model</th><th>Range F.S. (g pk)</th><th>Sensitivity (mV/g)</th><th>Time Constant (Sec)</th></tr><tr><td>3035B1</td><td>± 500</td><td>10</td><td>0.8 to 2</td></tr><tr><td>3035B2</td><td>± 100</td><td>50</td><td>0.8 to 2</td></tr><tr><td>3035B3</td><td>± 1000</td><td>5</td><td>0.8 to 2</td></tr></table> <p>Refer to the performance specifications of the products in this family for detailed description</p> <div>Supplied Accessories:</div> <p>1) Accredited calibration certificate (ISO 17025)</p> <div>Notes:</div> <p>[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.</p> <div><div><p>TYPICAL LOW FREQUENCY RESPONSE</p></div><div><p>TYPICAL TEMPERATURE RESPONSE</p></div></div> <div></div> <p>Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3035B/G for more information.</p>								Model	Range F.S. (g pk)	Sensitivity (mV/g)	Time Constant (Sec)	3035B1	± 500	10	0.8 to 2	3035B2	± 100	50	0.8 to 2	3035B3	± 1000	5	0.8 to 2
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3035B3	± 1000	5	0.8 to 2																				



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