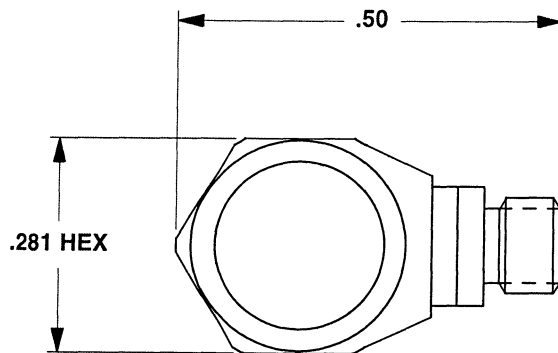
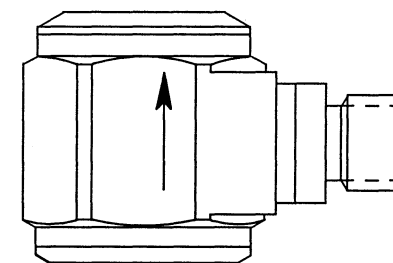
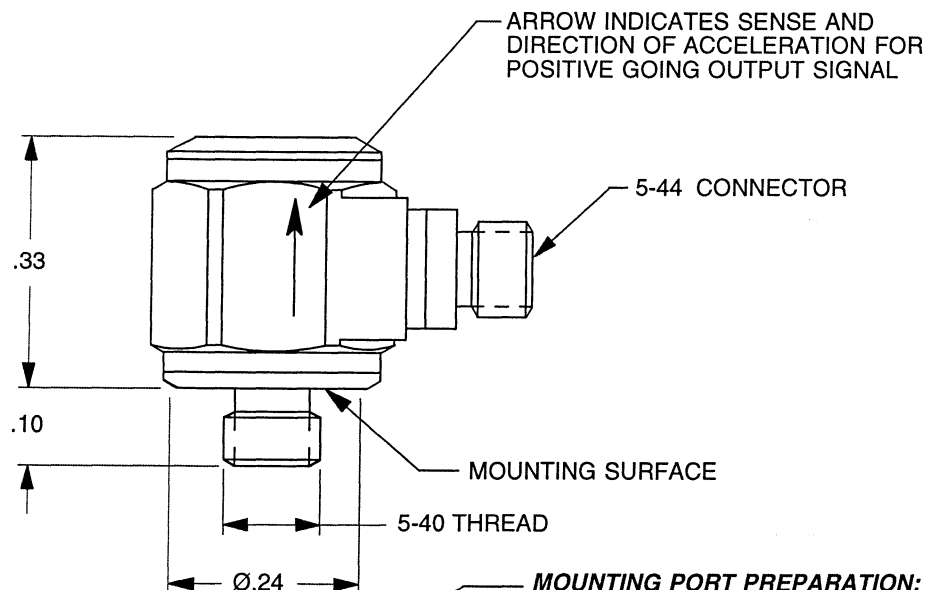


ACTUAL SIZE



MOUNTING SURFACE

MOUNTING PORT PREPARATION: 3035B2
 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.

MOUNTING SURFACE PREPARATION: 3035B2G
 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.



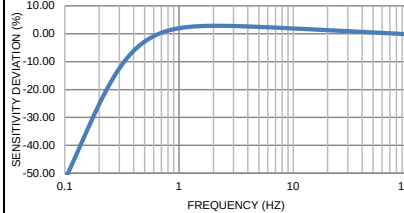
MASTER
 ONLY IF IN RED

CHATSWORTH, CA.

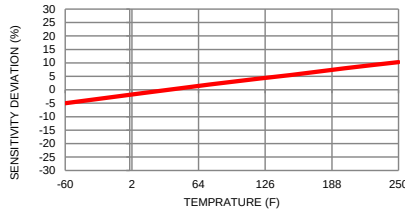
SCALE 4X	REV A	DATE 6/10/04	ECN -		
DATE 3/5/04		PART NO. MODELS 3035B2, 3035B2G			
DRAWN R.A.	CHECKED N.C.	MAT'L			
APPROVED G-10-04		NEXT ASSEMBLY		USED ON	
TITLE OUTLINE/INSTALLATION DRAWING, MODELS 3035B2, & 3035B2G LIVM ACCELEROMETERS				DWG NO. 127-3035B2/G	
				SHEET 1 OF 1	

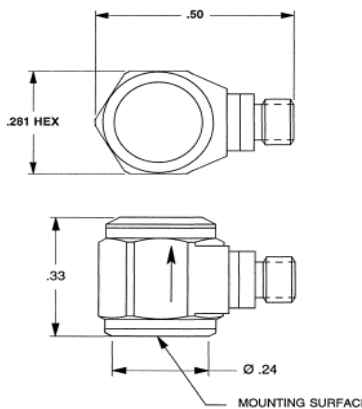
Model Number		PERFORMANCE SPECIFICATIONS				DOC NO																	
3035B2G						PS3035B2G																	
		IEPE ACCELEROMETER				REV D, ECN 16235, 06/22/21																	
		• MINATURE SIZE • HERMETICALLY SEALED • ADHESIVE MOUNT		This family also includes: <table><thead><tr><th>Model</th><th>Range F.S. (g pk)</th><th>Sensitivity (mV/g)</th><th>Time Constant (Sec)</th></tr></thead><tbody><tr><td>3035BG</td><td>± 50</td><td>100</td><td>0.8 to 2</td></tr><tr><td>3035B1G</td><td>± 500</td><td>10</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)	3035BG	± 50	100	0.8 to 2	3035B1G	± 500	10	0.8 to 2	3035B3G	± 1000	5	0.8 to 2
Model	Range F.S. (g pk)	Sensitivity (mV/g)	Time Constant (Sec)																				
3035BG	± 50	100	0.8 to 2																				
3035B1G	± 500	10	0.8 to 2																				
3035B3G	± 1000	5	0.8 to 2																				
PHYSICAL		ENGLISH		SI																			
Weight, Max.	0.09	oz	2.5	grams																			
Connector	5-44 Coaxial		5-44 Coaxial																				
Mounting Provision	Adhesive		Adhesive																				
Material, Housing/Connector	300 Series Stainless Steel		300 Series Stainless Steel																				
Sensing Element	Ceramic		Ceramic																				
Element Style	Shear		Shear																				
PERFORMANCE																							
Sensitivity, ±10% [2]	50	mV/g	5.1	mV/m/s ²																			
Range for ± 5 Volts Output	±100	g pk	±981	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	0.0010	g RMS	0.010	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																			

TYPICAL LOW FREQUENCY RESPONSE



TYPICAL TEMPERATURE RESPONSE





Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3035B2/G for more information.

DYTRAN
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