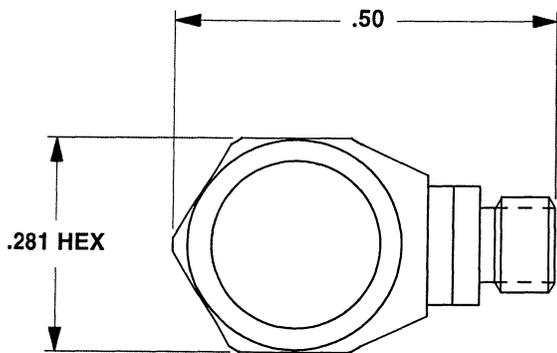
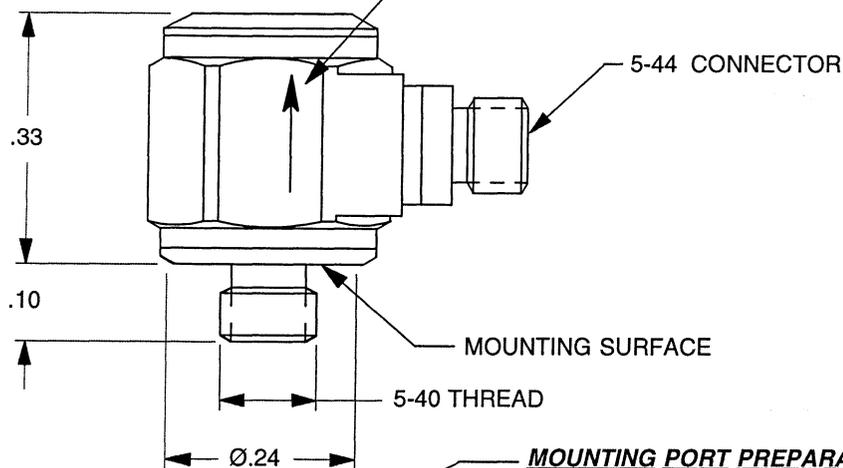


ACTUAL SIZE

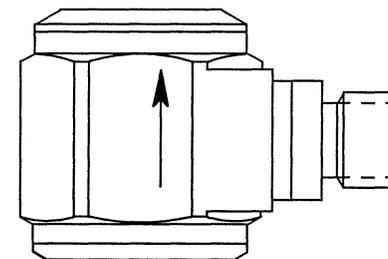
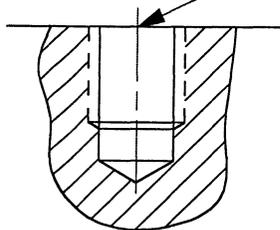


ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL



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

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 3035B2G	PERFORMANCE SPECIFICATIONS	DOC NO PS3035B2G
IEPE ACCELEROMETER		REV C, ECN 11062, 12/16/15



- MINATURE SIZE
- HERMETICALLY SEALED
- ADHESIVE MOUNT

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% [1]	50 mV/g	5.1 mV/m/s ²	
Range for ± 5 Volts Output	±100 g	±981 m/s ²	
Frequency Response, ±10%	0.5 to 10000 Hz	0.5 to 10000 Hz	
Resonant Frequency	> 45 kHz	> 45 kHz	
Broad Band Resolution	0.0010 Grms	0.010 m/s ² rms	
Linearity [2]	±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 Vibration	600 Gpeak	5884 m/s ² peak	
Maximum Shock	10000 Gpeak	98067 m/s ² peak	
Temperature Range	-60 to +250 °F	-51 to +121 °C	
Seal	Hermetic	Hermetic	
ELECTRICAL			
Supply Current Range [3]	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	

This family also includes:

Model	Range F.S. (g)	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

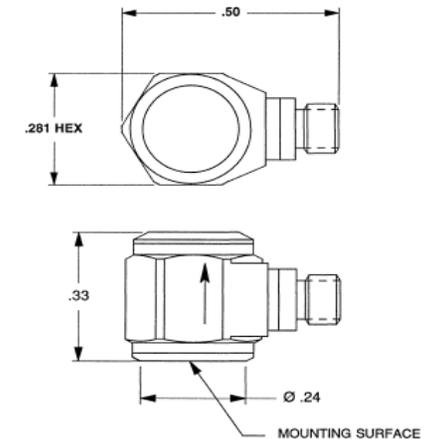
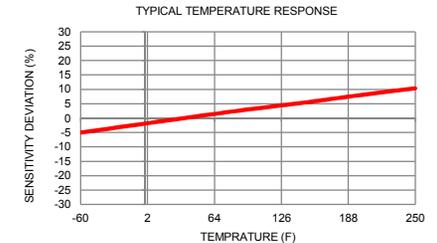
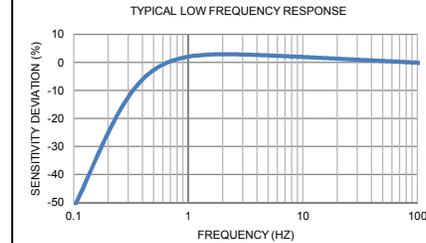
Refer to the performance specifications of the products in this family for detailed description

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.



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



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