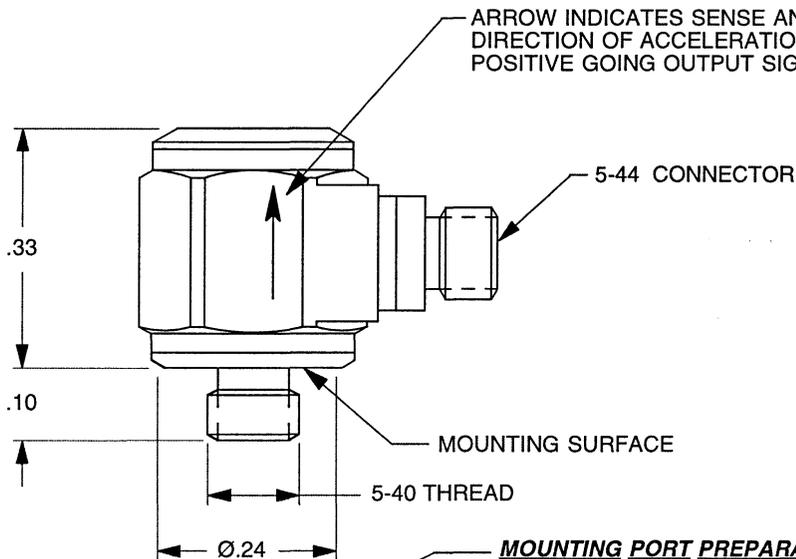


ACTUAL SIZE



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

5-44 CONNECTOR

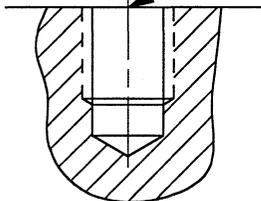
MOUNTING SURFACE

5-40 THREAD

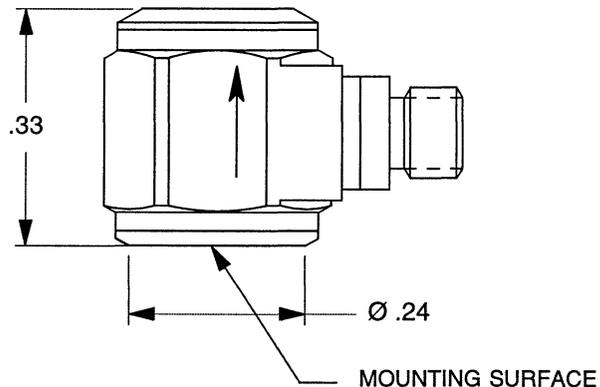
Ø.24

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



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	[Signature]		61004	NEXT ASSEMBLY	USED ON
TITLE	OUTLINE/INSTALLATION DRAWING, MODELS 3035B & 3035BG LIVM ACCELEROMETERS				DWG NO.
					127-3035B/G
					SHEET 1 OF 1

Model Number 3035B	PERFORMANCE SPECIFICATIONS	DOC NO PS3035B
IEPE ACCELEROMETER		REV D, ECN 16235, 06/22/21



- MINATURE SIZE
- HERMETICALLY SEALED
- STUD MOUNT

PHYSICAL

Weight, Max.
Connector
Mounting Provision
Material, Housing/Connector
Sensing Element
Element Style

ENGLISH		SI
0.09	oz	2.5 grams
5-44 Coaxial		5-44 Coaxial
5-40 Integral Stud		5-40 Integral Stud
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

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

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

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

This family also includes:

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

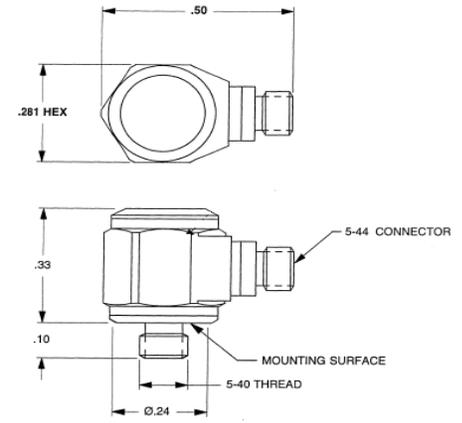
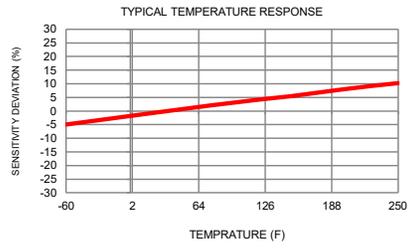
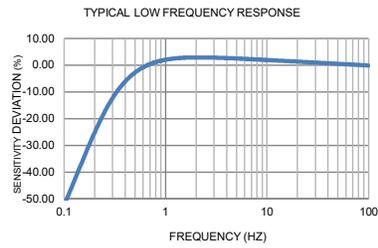
Refer to the performance specifications of the products in this family for detailed description

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.



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



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