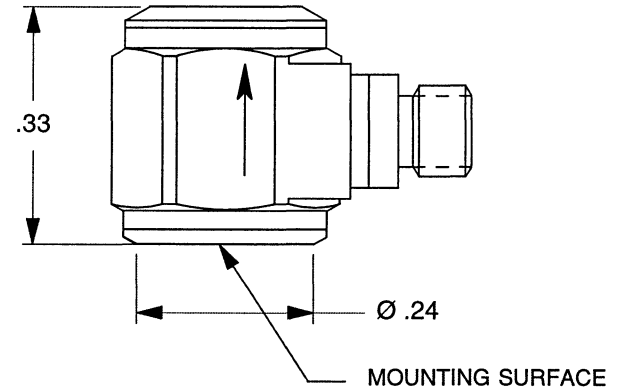
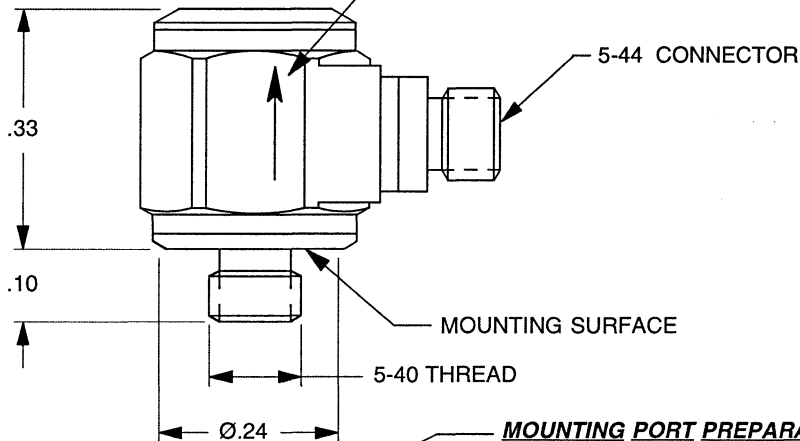


ACTUAL SIZE

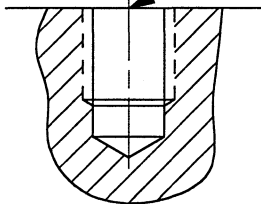
ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL



MODEL 3035BG

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.

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.



MODEL 3035B

- 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	

SPECIFICATIONS, MODELS 3035BX & 3035BXG LIVM ACCELEROMETERS

SPECIFICATIONS BY MODEL

MODEL	RANGE F.S. (g)	MAXIMUM SHOCK (g)	SENSITIVITY (±10%) [1] (mV/g)	ELECTRICAL NOISE (g) (kHz)	NATURAL FREQUENCY (kHz)
3035B & BG	± 50	600/3000	100.0	0.0009	>45
3035B1 & B1G	± 500	600/3000	10.0	0.005	>45
3035B2 & B2G	± 100	600/3000	50.0	0.0015	>45
3035B3 & B3G	± 1000	600/3000	5.0	0.009	>45

COMMON SPECIFICATIONS

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	2.5	grams
SIZE, HEX x HEIGHT	.281 (9/32) x .33	inches
MOUNTING PROVISION, 3035B	5-40 integral stud	
MOUNTING PROVISION, 3035BG	flat surface for adhesive mount	
CONNECTOR, RADIALLY MOUNTED	5-44 coaxial	
MATERIAL, HOUSING AND CONNECTOR	300 Series Stainless Steel	
PERFORMANCE		
FREQUENCY RANGE, ± 10%	0.5 to 10k	Hz
RESONANT FREQUENCY	>45	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.007	g rms
LINEARITY [2]	± 1%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.002	g/με @ 250με
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK	600/3000	± g pk
TEMPERATURE RANGE, 3035B/BG, 3035B2/B2G	-60 to +225	°F
3035B1/B1G, 3035B3/B3G	-60 to +250	°F
SEAL, HERMETIC	Glass-to-metal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.04	%/°F
ELECTRICAL		
SUPPLY CURRENT [3]	2 to 20	mA
SUPPLY COMPLIANCE VOLTAGE RANGE	+18 to +30	Volts
OUTPUT IMPEDANCE, TYP.	100	Ω
BIAS VOLTAGE	+11 to +13	Vdc
DISCHARGE TIME CONSTANT	1.0 to 2.0	seconds
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive	
CASE GROUNDING	Case is grounded to electrical power ground	

[1] Measured at 100 Hz, 1g rms per ISA RP 37.2.

[2] Measured using zero-based best straight-line method, % of full scale (F.S.) or any lesser range.

[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier



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