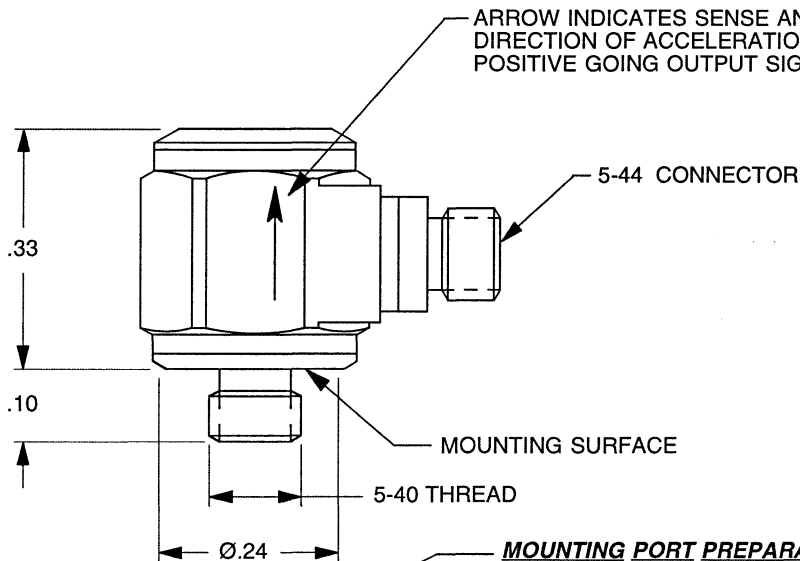


ACTUAL SIZE



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

5-44 CONNECTOR

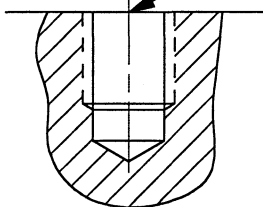
MOUNTING SURFACE

5-40 THREAD

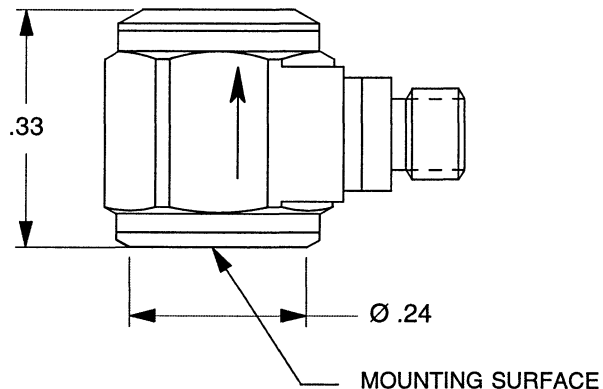
Ø.24

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

**SPECIFICATIONS, MODELS 3035BX & 3035BXG
LIVM (IEPE) 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	0.0005	>45
3035B1 & B1G	± 500	600/3000	10.0	0.0009	>45
3035B2 & B2G	± 100	600/3000	50.0	0.0006	>45
3035B3 & B3G	± 1000	600/3000	5.0	0.0012	>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, ± 5%	0.5 to 10k	Hz
RESONANT FREQUENCY, NOM.	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	0.5 to 1.2	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.