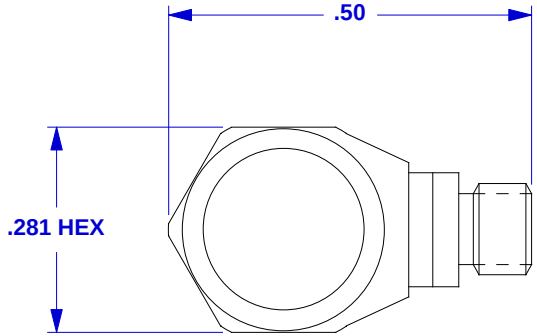
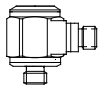
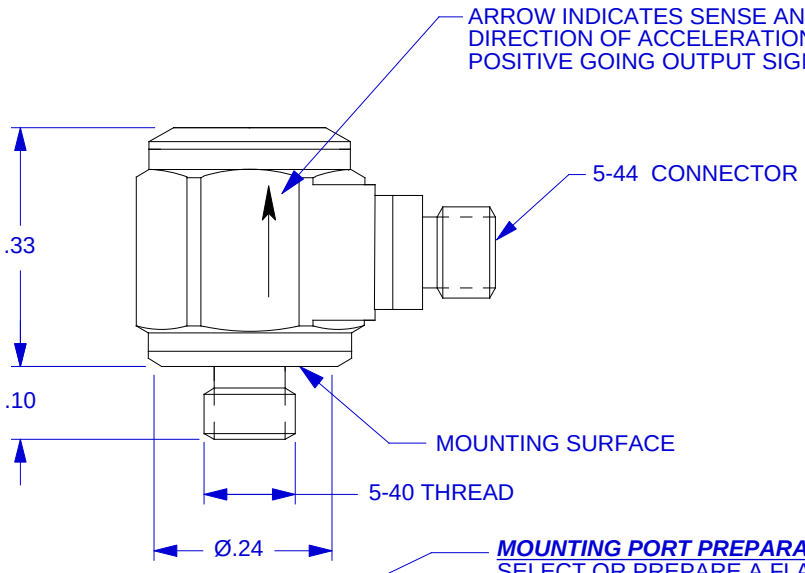
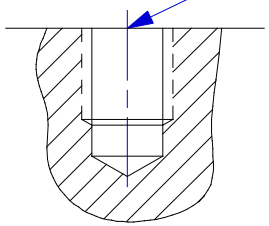


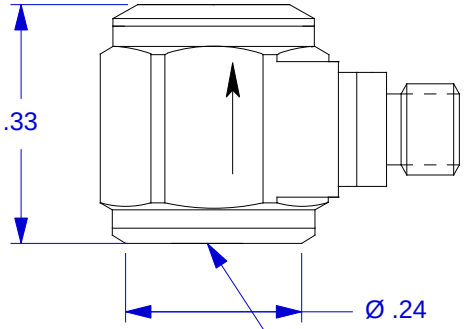
ACTUAL SIZE




***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 TOGETHE INTIL ADHESIVE SETS.

2. MOUNTING TORQUE ON .281 HEX: 8 TO LB.-INCHES.
1. WEIGHT: 2.5 GRAMS.

DYTRAN INSTRUMENTS, INC. CHATSWORTH, CA.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SCALE 4X | | REV C | DATE 3/4/04 | ECN N/A | | | |
| DATE 12/02/02 | | PART NO. MODELS 3035B, 3035BG | | | | | |
| DRAWN N.C. | CHECKED R.A. | MAT'L | | | | | |
| APPROVED | | NEXT ASSEMBLY | | USED ON | | | |

TITLE
**OUTLINE/INSTALLATION DRAWING, MODELS 3035B & 3035BG LIVM ACCELEROMETERS**

DWG NO. **127-3035B/G**

SHEET 1 OF 1

**SPECIFICATIONS**
**MODEL 3035B & 3035BG LIVM ACCELEROMETERs**

| SPECIFICATION | VALUE | UNITS |
|---|---|---|
| **PHYSICAL** | | |
| WEIGHT | 2.5 | grams |
| SIZE, HEX x HEIGHT | .281 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 | | |
| SENSITIVITY, ± 10% [1] | 100 | mV/g |
| RANGE F.S. FOR ± 5 VOLTS OUTPUT | ± 50 | g |
| 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 | -60 to +300 | °F |
| SEAL, HERMETIC | Glass-to-metal and welds | |
| COEFFIEICNT 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 | ohms |
| BIAS VOLTAGE, +10.5 VOLTS NOM. | +9 to +12 | Vdc |
| DISCHARGE TIME CONSTANT, NOM. | 0.5 | 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.