
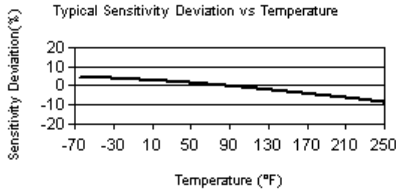



| Model Number 352B70 | ICP® ACCELEROMETER | | Revision NR ECN #: | | | | | | | | | | |
|---|--|---|--|--------------|---------------|------------|---------------|--------------|---------------------|---------------------|---------------------|---------------------|--------------|
| Performance Sensitivity (±25 %) Measurement Range Frequency Range (±5 %) Frequency Range (-3 dB) Filter Type Electrical Filter Corner Frequency Electrical Filter Roll-off Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity | ENGLISH 1 mV/g ±5000 g pk 0.7 to 9000 Hz 0.4 to 20000 Hz Low Pass 23 kHz 12 dB/octave ≥55 kHz 0.025 g rms ≤1 % ≤5 % | SI 0.1 mV/(m/s ²) ±49000 m/s ² pk 0.7 to 9000 Hz 0.4 to 20000 Hz Low Pass 23 kHz 12 dB/octave ≥55 kHz 0.25 m/s ² rms ≤1 % ≤5 % | Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 080A04 Adhesive base, 0.37" hex x 0.2" thick, 10-32 tapped hole, aluminum with insulating hardcoat finish (1) 080A109 Petro Wax (1) 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-23 NIST Traceable frequency response (5Hz to +5% PT, Linear Scale +/-10%) (1) M081B05 Mounting Stud 10-32 to M6 X 0.75 (1) | | | | | | | | | | |
| Environmental Overload Limit (Shock) Temperature Range (Operating) Temperature Response | ±10000 g pk -65 to +250 °F See Graph | ±98000 m/s ² pk -54 to +121 °C See Graph | [1] | | | | | | | | | | |
| Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Isolation (Base) | 20 to 30 VDC 2 to 20 mA ≤200 8 to 14 VDC 0.5 to 1.5 sec <5 sec 7200 µg/√Hz 2400 µg/√Hz 740 µg/√Hz 190 µg/√Hz >10 ⁸ | 20 to 30 VDC 2 to 20 mA ≤200 8 to 14 VDC 0.5 to 1.5 sec <5 sec 70600 (µm/sec ² /√Hz) 23500 (µm/sec ² /√Hz) 7250 (µm/sec ² /√Hz) 1860 (µm/sec ² /√Hz) >10 ⁸ | [1] [1] [1] [1] | | | | | | | | | | |
| Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread | Ceramic Shear Titanium Hermetic 3/8 in x 0.90 in 0.15 oz 10-32 Coaxial Jack Top 10-32 Female | Ceramic Shear Titanium Hermetic 3/8 in x 22.9 mm 4.3 gm 10-32 Coaxial Jack Top 10-32 Female | [1] | | | | | | | | | | |
|  | <p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p>  | | <table border="1" data-bbox="1125 1174 2011 1248"> <tr> <td>Entered: LLH</td> <td>Engineer: BAM</td> <td>Sales: WDC</td> <td>Approved: JJB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 11/18/2009</td> <td>Date: 11/13/2009</td> <td>Date: 11/13/2009</td> <td>Date: 11/17/2009</td> <td>37758</td> </tr> </table> | Entered: LLH | Engineer: BAM | Sales: WDC | Approved: JJB | Spec Number: | Date: 11/18/2009 | Date: 11/13/2009 | Date: 11/13/2009 | Date: 11/17/2009 | 37758 |
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| <p>All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB group, Inc.</p> | | | | | | | | | | | | | |
|  | | 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 888-684-0013 Fax: 716-685-3886 E-mail: vibration@pcb.com Web site: www.pcb.com | | | | | | | | | | | |

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