
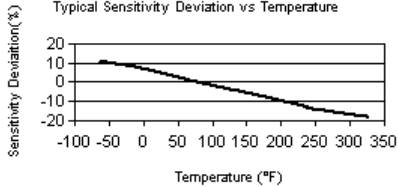



Model Number 356B21	ACCELEROMETER, ICP® , TRIAXIAL		Revision G ECN #: 32784										
Performance Sensitivity (±10 %) 10 mV/g Measurement Range ±500 g pk Frequency Range (±5 %) (y or z axis) 2 to 10000 Hz Frequency Range (±5 %) (x axis) 2 to 7000 Hz Resonant Frequency ≥55 kHz Broadband Resolution (1 to 10000 Hz) 0.004 g rms Non-Linearity ≤1 % Transverse Sensitivity ≤5 %	ENGLISH 10 mV/g ±500 g pk 2 to 10000 Hz 2 to 7000 Hz ≥55 kHz 0.004 g rms ≤1 % ≤5 %	SI 1.02 mV/(m/s ²) ±4905 m/s ² pk 2 to 10000 Hz 2 to 7000 Hz ≥55 kHz 0.04 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.) A - Adhesive Mount Supplied Accessory: Model 080A109 Petro Wax Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces) HT - High temperature, extends normal operation temperatures Temperature Range (Operating) -65 to +325 °F -54 to +163 °C J - Ground Isolated Frequency Range (+5 %) 7000 Hz 7000 Hz Electrical Isolation (Base) >10 ⁸ ohm >10 ⁸ ohm Size (Height x Length x Width) 0.44 in x 0.40 in x 0.44 in 11.2 mm x 10.2 mm x 11.2 mm Weight 0.16 oz 4.5 gm Mounting Adhesive Adhesive										
Environmental Overload Limit (Shock) ±10000 g pk Temperature Range (Operating) -65 to +250 °F Temperature Response See Graph	±98100 m/s ² pk -54 to +121 °C See Graph	[2] [1][2]											
Electrical Excitation Voltage 18 to 30 VDC Constant Current Excitation 2 to 20 mA Output Impedance ≤200 ohm Output Bias Voltage 7 to 11 VDC Discharge Time Constant 0.3 to 1.0 sec Settling Time (within 10% of bias) <3 sec Spectral Noise (1 Hz) 1000 µg/√Hz Spectral Noise (10 Hz) 300 µg/√Hz Spectral Noise (100 Hz) 100 µg/√Hz Spectral Noise (1 kHz) 50 µg/√Hz	18 to 30 VDC 2 to 20 mA ≤200 ohm 7 to 11 VDC 0.3 to 1.0 sec <3 sec 9810 (µm/sec ² /√Hz) 2943 (µm/sec ² /√Hz) 981 (µm/sec ² /√Hz) 490 (µm/sec ² /√Hz)	[1] [3] [1] [1] [1] [1]	Supplied Accessory: Model 034K10 Cable 10FT Mini 4 Pin To (3) BNC Supplied Accessory: Model 080A109 Petro Wax Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces) Notes [1] Typical. [2] 250° F to 325° F data valid with HT option only. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details.										
Physical Sensing Element Ceramic Sensing Geometry Shear Housing Material Titanium Sealing Hermetic Size (Height x Length x Width) 0.4 in x 0.4 in x 0.4 in Weight 0.14 oz Electrical Connector 8-36 4-Pin Electrical Connection Position Side Mounting Thread 5-40 Female	Ceramic Shear Titanium Hermetic 10.2 mm x 10.2 mm x 10.2 mm 4 gm 8-36 4-Pin Side 5-40 Female	[1]	Supplied Accessories 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1) 080A Adhesive Mounting Base (1) 080A109 Petro Wax (1) 081A27 Mounting Stud (5-40 to 5-40) (1) 081A90 Mounting stud, 10-32 to 5-40 (1) ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1) M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)										
 <p data-bbox="121 1399 1075 1497">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>			<table border="1" data-bbox="1129 1101 2011 1182"> <tr> <td>Entered: LLH</td> <td>Engineer: AJA</td> <td>Sales: WDC</td> <td>Approved: EB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 04/21/2010</td> <td>Date: 04/20/2010</td> <td>Date: 04/20/2010</td> <td>Date: 04/20/2010</td> <td>15127</td> </tr> </table>  <p data-bbox="1570 1205 1831 1377">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</p>	Entered: LLH	Engineer: AJA	Sales: WDC	Approved: EB	Spec Number:	Date: 04/21/2010	Date: 04/20/2010	Date: 04/20/2010	Date: 04/20/2010	15127
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