
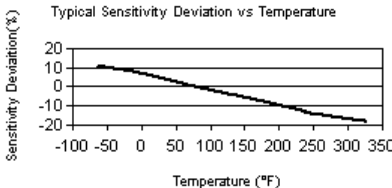



Model Number 356A33	ACCELEROMETER, ICP[®], TRIAXIAL		Revision B ECN #: 32784									
Performance Sensitivity (±10 %) 10 mV/g Measurement Range ±500 g pk Frequency Range (±5 %) (y or z axis) 2 to 10000 Hz Frequency Range (±5 %) (x axis) 2 to 7000 Hz Resonant Frequency ≥55 kHz Broadband Resolution (1 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 may be used.) HT - High temperature, extends normal operation temperatures Supplied Accessory: Model 080A Adhesive base, 0.5" hex x 0.187" thk, 10-32 tapped hole, aluminum with insulating hardcoat finish Supplied Accessory: Model 081A27 Mounting screw, BeCu, 5-40 mounting stud (for use with Model 356B11) Supplied Accessory: Model 081A90 Mounting stud, 10-32 to 5-40 Supplied Accessory: Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50" long 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.									
Environmental Overload Limit (Shock) ±10000 g pk Temperature Range (Operating) -65 to +250 °F Temperature Response See Graph	±10000 g pk -65 to +250 °F 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 1000 µg/√Hz 300 µg/√Hz 100 µg/√Hz 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] [1] [1] [1]									
Physical Sensing Element Ceramic Sensing Geometry Shear Housing Material Titanium Sealing Hermetic Size (Height x Length x Width) 0.4 in x 0.77 in x 0.4 in Weight 0.19 oz Electrical Connector 1/4-28 4-Pin Electrical Connection Position Side Mounting Thread 5-40 Female Mounting Torque 4 to 5 in-lb	Ceramic Shear Titanium Hermetic 0.4 in x 0.77 in x 0.4 in 0.19 oz 1/4-28 4-Pin Side 5-40 Female 4 to 5 in-lb	Ceramic Shear Titanium Hermetic 10.2 mm x 19.6 mm x 10.2 mm 5.3 gm 1/4-28 4-Pin Side 5-40 Female 45 to 56 N-cm	[1]									
 <p data-bbox="121 1421 1073 1515"> 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 1149 2011 1224"> <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>20697</td> </tr> </table>  <p data-bbox="1570 1252 1829 1421"> 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	20697
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