
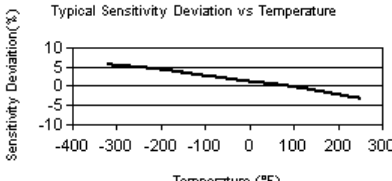



Model Number 351B41	<b>ACCELEROMETER, ICP®</b>		Revision E ECN #: 14901										
<b>Performance</b> Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 100 mV/g ±15 g pk 1 to 2000 Hz 0.7 to 3500 Hz 0.35 to 5000 Hz ≥15 kHz 0.0005 g rms ≤1 % ≤5 %	<b>SI</b> 10.2 mV/(m/s <sup>2</sup> ) ±147 m/s <sup>2</sup> pk 1 to 2000 Hz 0.7 to 3500 Hz 0.35 to 5000 Hz ≥15 kHz 0.005 m/s <sup>2</sup> rms ≤1 % ≤5 %	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>J - Ground Isolated</b> Frequency Range (5 %) Frequency Range (10 %) Resonant Frequency Electrical Isolation (Base)										
<b>Environmental</b> Overload Limit Temperature Range (Operating) Temperature Response Base Strain Sensitivity	±1000 g pk -320 to +250 °F See Graph <0.0005 g/με	±9810 m/s <sup>2</sup> pk -196 to +121 °C See Graph <0.005 (m/s <sup>2</sup> )/με	<b>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Transverse sensitivity is typically ≤ 3%. [4] See PCB Declaration of Conformance PS023 for details.										
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Isolation	20 to 30 VDC 2 to 20 mA ≤100 ohm 3 to 10 VDC >0.5 sec 22 μg/√Hz 6 μg/√Hz 1.6 μg/√Hz None (Optional) ohm	20 to 30 VDC 2 to 20 mA ≤100 ohm 3 to 10 VDC >0.5 sec 216 (μm/sec <sup>2</sup> /√Hz) 58.9 (μm/sec <sup>2</sup> /√Hz) 15.7 (μm/sec <sup>2</sup> /√Hz) None (Optional) ohm	<b>Supplied Accessories</b> 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)										
<b>Physical</b> Sensing Element Sensing Geometry Housing Material Sealing Weight Electrical Connector Electrical Connection Position Mounting Thread	Quartz Shear Titanium Welded Hermetic 1.4 oz 10-32 Coaxial Jack Side 10-32 Female	Quartz Shear Titanium Welded Hermetic 40 gm 10-32 Coaxial Jack Side 10-32 Female	[1]										
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 		<table border="1" data-bbox="1129 1149 2011 1250"> <tr> <td>Entered: DJS</td> <td>Engineer: WDC</td> <td>Sales: BAM</td> <td>Approved: JMF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 05/20/2002</td> <td>Date: 05/20/2002</td> <td>Date: 05/21/2002</td> <td>Date: 06/04/2002</td> <td><b>351-2410-80</b></td> </tr> </table>	Entered: DJS	Engineer: WDC	Sales: BAM	Approved: JMF	Spec Number:	Date: 05/20/2002	Date: 05/20/2002	Date: 05/21/2002	Date: 06/04/2002	<b>351-2410-80</b>
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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>			 <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</p>										