
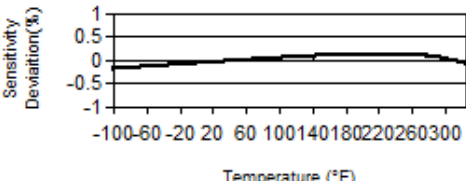


Model Number <b>320C53</b>	<b>ICP® ACCELEROMETER</b>		Revision: C ECN #: 47290										
<b>Performance</b> Sensitivity(± 20 %) Measurement Range Frequency Range(± 5 %) Frequency Range(± 10 %) Frequency Range(± 3 dB) Filter Type Electrical Filter Corner Frequency Resonant Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 1 mV/g ± 5000 g pk 1 to 5000 Hz 0.6 to 10,000 Hz 0.3 to 20,000 Hz single pole ≥ 20 kHz ≥ 50 kHz 0.04 g rms ≤ 1 % ≤ 5 %	<b>SI</b> 0.102 mV/(m/s <sup>2</sup> ) ± 49,050 m/s <sup>2</sup> pk 1 to 5000 Hz 0.6 to 10,000 Hz 0.3 to 20,000 Hz single pole ≥ 20 kHz ≥ 50 kHz 0.39 m/s <sup>2</sup> rms ≤ 1 % ≤ 5 %	<p style="text-align: center;"><b>OPTIONAL VERSIONS</b></p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p> <p><b>M - Metric Mount</b> Supplied Accessory : Model M039A20 Allen wrench, 1.5mm hex (1) Supplied Accessory : Model M081B36 Insulated cap screw, M2x0.4 thd x 3/8" long (for Model M357B06) (1)</p>										
<b>Environmental</b> Overload Limit(Shock) Temperature Range(Operating) Temperature Coefficient of Sensitivity Temperature Response Base Strain Sensitivity	± 10,000 g pk -100 to 325 °F ± 0.005 %/°F See Graph ≤ 2 g/με	± 98,100 m/s <sup>2</sup> pk -73 to 163 °C ± 0.009 %/°C See Graph ≤ 2 (m/s <sup>2</sup> )/με		<p><b>NOTES:</b></p> <p>[1] Typical. [2] Only when using off ground washer. [3] When used with off ground washer, high frequency specification is typically 2 kHz less on 10% and 3 dB points. [4] Zero-based, least-squares, straight line method. [5] Transverse sensitivity is typically ≤ 3%. [6] See PCB Declaration of Conformance PS023 for details.</p>									
<b>Electrical</b> 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)	19 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 12 VDC 0.4 to 2.2 sec ≤ 10 sec 7500 μg/√Hz 1500 μg/√Hz 500 μg/√Hz 250 μg/√Hz ≥ 10 <sup>8</sup> Ohm	19 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 12 VDC 0.4 to 2.2 sec ≤ 10 sec 73,500 (μm/sec <sup>2</sup> )/√Hz 14,700 (μm/sec <sup>2</sup> )/√Hz 4905 (μm/sec <sup>2</sup> )/√Hz 2450 (μm/sec <sup>2</sup> )/√Hz ≥ 10 <sup>8</sup> Ohm	<p><b>SUPPLIED ACCESSORIES:</b> Model 039A20 Allen wrench, 5/64" hex (1) Model 081B36 Insulated cap screw, 2-56 thd x 3/8" long (for Model 357B06) (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)</p>										
<b>Physical</b> Size (Height x Length x Width) Weight Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Mounting	0.23 in x 0.65 in x 0.38 in .065 oz UHT-12™ Shear Titanium Hermetic 5-44 Coaxial Side Through Hole	5.84 mm x 16.4 mm x 9.6 mm 1.85 gm UHT-12™ Shear Titanium Hermetic 5-44 Coaxial Side Through Hole		<table border="1"> <tr> <td>Entered: LK</td> <td>Engineer: LM</td> <td>Sales: WDC</td> <td>Approved: JJB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 10/2/2017</td> <td>Date: 10/2/2017</td> <td>Date: 10/2/2017</td> <td>Date: 10/2/2017</td> <td><b>62127</b></td> </tr> </table>	Entered: LK	Engineer: LM	Sales: WDC	Approved: JJB	Spec Number:	Date: 10/2/2017	Date: 10/2/2017	Date: 10/2/2017	Date: 10/2/2017
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Date: 10/2/2017	Date: 10/2/2017	Date: 10/2/2017	Date: 10/2/2017	<b>62127</b>									
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 		<p style="text-align: center;"><b>PCB PIEZOTRONICS™</b></p> <p>3425 Walden Avenue, Depew, NY 14043</p> <p style="text-align: right;">Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p>										
<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>													