

Model Number 352C23	<b>ACCELEROMETER, ICP®</b>		Revision D ECN #: 35759										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<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.)										
Sensitivity (±20 %)	5 mV/g	0.5 mV/(m/s <sup>2</sup> )	<b>Notes</b>										
Measurement Range	±1000 g pk	±9810 m/s <sup>2</sup> pk	[1] Typical.										
Frequency Range (±5 %)	2.0 to 10000 Hz	2.0 to 10000 Hz	[2] Zero-based, least-squares, straight line method.										
Frequency Range (±10 %)	1.5 to 15000 Hz	1.5 to 15000 Hz	[3] See PCB Declaration of Conformance PS023 for details.										
Frequency Range (±3 dB)	0.7 to 25000 Hz	0.7 to 25000 Hz											
Resonant Frequency	≥70 kHz	≥70 kHz											
Broadband Resolution (1 to 10000 Hz)	0.003 g rms	0.03 m/s <sup>2</sup> rms	[1]										
Non-Linearity	≤1 %	≤1 %	[2]										
Transverse Sensitivity	≤5 %	≤5 %											
<b>Environmental</b>													
Overload Limit (Shock)	±10000 g pk	±98000 m/s <sup>2</sup> pk											
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C											
<b>Electrical</b>													
Excitation Voltage	18 to 30 VDC	18 to 30 VDC											
Constant Current Excitation	2 to 20 mA	2 to 20 mA											
Output Impedance	≤200 Ohm	≤200 Ohm											
Output Bias Voltage	7 to 11 VDC	7 to 11 VDC											
Discharge Time Constant	0.24 to 1.0 sec	0.24 to 1.0 sec											
Settling Time (within 10% of bias)	<3 sec	<3 sec											
Spectral Noise (1 Hz)	1500 µg/√Hz	14715 (µm/sec <sup>2</sup> ) /√Hz	[1]										
Spectral Noise (10 Hz)	400 µg/√Hz	3924 (µm/sec <sup>2</sup> ) /√Hz	[1]										
Spectral Noise (100 Hz)	120 µg/√Hz	1177 (µm/sec <sup>2</sup> ) /√Hz	[1]										
Spectral Noise (1 kHz)	30 µg/√Hz	294 (µm/sec <sup>2</sup> ) /√Hz	[1]										
Spectral Noise (10 kHz)	20 µg/√Hz	196 (µm/sec <sup>2</sup> ) /√Hz	[1]										
Electrical Isolation (Base)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm											
<b>Physical</b>													
Size (Height)	.11 in	2.8 mm	[1]										
Weight	0.007 oz	0.2 gm											
Sensing Element	Ceramic	Ceramic											
Sensing Geometry	Shear	Shear											
Housing Material	Anodized Aluminum	Anodized Aluminum											
Sealing	Epoxy	Epoxy											
Size (Length x Width)	0.34 in x 0.16 in	8.6 mm x 4.1 mm											
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack											
Electrical Connection Position	Side	Side											
Mounting	Adhesive	Adhesive											
			<table border="1"> <tr> <td data-bbox="1125 1174 1310 1222">Entered: SDS</td> <td data-bbox="1310 1174 1486 1222">Engineer: WDC</td> <td data-bbox="1486 1174 1654 1222">Sales: JJB</td> <td data-bbox="1654 1174 1843 1222"></td> <td data-bbox="1843 1174 2011 1222">Spec Number:</td> </tr> <tr> <td data-bbox="1125 1222 1310 1271">Date: 05/10/2011</td> <td data-bbox="1310 1222 1486 1271">Date: 05/12/2011</td> <td data-bbox="1486 1222 1654 1271">Date: 05/12/2011</td> <td data-bbox="1654 1222 1843 1271"></td> <td data-bbox="1843 1222 2011 1271"><b>17738</b></td> </tr> </table>	Entered: SDS	Engineer: WDC	Sales: JJB		Spec Number:	Date: 05/10/2011	Date: 05/12/2011	Date: 05/12/2011		<b>17738</b>
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			<div data-bbox="142 1360 235 1416" data-label="Image"> </div> <div data-bbox="655 1295 1054 1481" data-label="Figure"> <p>Typical Sensitivity Deviation vs Temperature</p> </div> <div data-bbox="1138 1295 1528 1367" data-label="Image"> </div> <div data-bbox="1570 1302 1801 1464" data-label="Text"> <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com</p> </div>										

*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.

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