
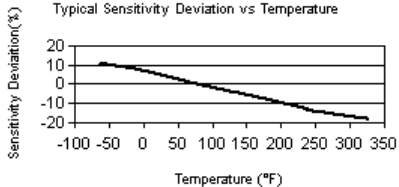



Model Number 352A21	<b>ACCELEROMETER, ICP®</b>		Revision H ECN #: 36885										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option may be used.) <b>HT</b> - High temperature, extends normal operation temperatures Temperature Range (Operating) -65 to 325 °F -54 to 163 °C <b>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.										
Sensitivity (±15 %)	10 mV/g	1.0 mV/(m/s <sup>2</sup> )											
Measurement Range	±500 g pk	±4900 m/s <sup>2</sup> pk											
Frequency Range (±5 %)	1.0 to 10000 Hz	1.0 to 10000 Hz											
Frequency Range (±10 %)	0.7 to 13000 Hz	0.7 to 13000 Hz											
Frequency Range (±3 dB)	0.3 to 20000 Hz	0.3 to 20000 Hz											
Resonant Frequency	≥50 kHz	≥50 kHz											
Broadband Resolution (1 to 10000 Hz)	0.004 g rms	0.04 m/s <sup>2</sup> rms	[1]										
Non-Linearity	≤1 %	≤1 %	[2]										
Transverse Sensitivity	≤5 %	≤5 %											
<b>Environmental</b>			<b>Supplied Accessories</b>										
Overload Limit (Shock)	±10000 g pk	±98000 m/s <sup>2</sup> pk	030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1)										
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	039A27 One-piece removal tool for Models 352C22, 357C10, 352A21, & 357A09 (1)										
<b>Electrical</b>			080A109 Petro Wax (1)										
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)										
Constant Current Excitation	2 to 20 mA	2 to 20 mA											
Output Impedance	≤300 Ohm	≤300 Ohm											
Output Bias Voltage	7 to 11 VDC	7 to 11 VDC											
Discharge Time Constant	1.0 to 3.5 sec	1.0 to 3.5 sec											
Settling Time (within 10% of bias)	<3 sec	<3 sec											
Spectral Noise (1 Hz)	800 µg/√Hz	7840 (µm/sec <sup>2</sup> /√Hz)	[1]										
Spectral Noise (10 Hz)	250 µg/√Hz	2450 (µm/sec <sup>2</sup> /√Hz)	[1]										
Spectral Noise (100 Hz)	60 µg/√Hz	590 (µm/sec <sup>2</sup> /√Hz)	[1]										
Spectral Noise (1 kHz)	50 µg/√Hz	490 (µm/sec <sup>2</sup> /√Hz)	[1]										
Spectral Noise (10 kHz)	40 µg/√Hz	392 (µm/sec <sup>2</sup> /√Hz)	[1]										
<b>Physical</b>													
Size (Height)	0.14 in	3.6 mm											
Weight	0.02 oz	0.6 gm	[1]										
Sensing Element	Ceramic	Ceramic											
Sensing Geometry	Shear	Shear											
Housing Material	Titanium	Titanium											
Sealing	Epoxy	Epoxy											
Size (Length x Width)	0.45 in x 0.25 in	11.4 mm x 6.4 mm											
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack											
Electrical Connection Position	Side	Side											
Mounting	Adhesive	Adhesive											
			<table border="1"> <tr> <td>Entered: DMW</td> <td>Engineer: AJA</td> <td>Sales: WDC</td> <td>Approved: JJB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 10/05/2011</td> <td>Date: 10/05/2011</td> <td>Date: 10/05/2011</td> <td>Date: 10/05/2011</td> <td><b>11544</b></td> </tr> </table>	Entered: DMW	Engineer: AJA	Sales: WDC	Approved: JJB	Spec Number:	Date: 10/05/2011	Date: 10/05/2011	Date: 10/05/2011	Date: 10/05/2011	<b>11544</b>
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		 <p>Typical Sensitivity Deviation vs Temperature</p> <p>The graph shows Sensitivity Deviation (%) on the y-axis (ranging from -20 to 20) versus Temperature (°F) on the x-axis (ranging from -100 to 350). The deviation starts at approximately 10% at -50°F and decreases linearly to approximately -15% at 350°F.</p>	 <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>										
<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>													

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