

Model Number <b>357B53</b>	<b>CHARGE OUTPUT ACCELEROMETER</b>		Revision D ECN #: 29612										
<b>Performance</b> Sensitivity ( $\pm 15\%$ ) Measurement Range Frequency Range (+5%) Frequency Range (+10%) Frequency Range (+3 dB) Resonant Frequency Non-Linearity Transverse Sensitivity <b>Environmental</b> Overload Limit (Shock) Temperature Range Temperature Response Base Strain Sensitivity Radiation Exposure Limit (Integrated Gamma Flux) Radiation Exposure Limit (Integrated Neutron Flux) <b>Electrical</b> Capacitance Insulation Resistance (at 70° F [21°C]) Insulation Resistance (at 550°F) Output Polarity Electrical Isolation (Base) <b>Physical</b> Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread	<b>ENGLISH</b> 100 pC/g $\pm 150$ g pk 3 kHz 3.5 kHz 5.5 kHz $\geq 12$ kHz $\leq 1\%$ $\leq 5\%$ $\pm 2000$ g pk $-95$ to $+550$ °F See Graph $0.0002$ g/ $\mu\epsilon$ $\leq 10^8$ rad $\leq 10^{10}$ N/cm <sup>2</sup> $\leq 10^8$ rad $\leq 10^{10}$ N/cm <sup>2</sup> $\geq 10^{12}$ ohm $\geq 10^8$ ohm Negative $\geq 10^8$ ohm Ceramic Shear Titanium Hermetic $3/4$ in x 1.13 in 1.80 oz 10-32 Coaxial Jack Side 10-32 Female	<b>SI</b> 10.2 pC/(m/s <sup>2</sup> ) $\pm 1470$ m/s <sup>2</sup> pk 3 kHz 3.5 kHz 5.5 kHz $\geq 12$ kHz $\leq 1\%$ $\leq 5\%$ $\pm 19600$ m/s <sup>2</sup> pk $-71$ to $+288$ °C See Graph $0.002$ (m/s <sup>2</sup> )/ $\mu\epsilon$ $\leq 10^8$ rad $\leq 10^{10}$ N/cm <sup>2</sup> $\geq 10^{12}$ ohm $\geq 10^8$ ohm Negative $\geq 10^8$ ohm Ceramic Shear Titanium Hermetic $3/4$ in x 28.7 mm 51 gm 10-32 Coaxial Jack Side 10-32 Female	<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>Notes</b> [1] Typical. [2] Low frequency response is determined by external signal conditioning electronics. [3] Zero-based, least-squares, straight line method.  <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)										
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>													
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		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Entered: LLH</td> <td>Engineer: GH</td> <td>Sales: WDC</td> <td>Approved: EB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 11/04/2008</td> <td>Date: 09/26/2008</td> <td>Date: 10/10/2008</td> <td>Date: 10/29/2008</td> <td style="text-align: center;"><b>30530</b></td> </tr> </table>		Entered: LLH	Engineer: GH	Sales: WDC	Approved: EB	Spec Number:	Date: 11/04/2008	Date: 09/26/2008	Date: 10/10/2008	Date: 10/29/2008	<b>30530</b>
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