



Model Number 3711B1110G	DC RESPONSE ACCELEROMETER		Revision C ECN #: 39611										
<b>Performance</b> Sensitivity (±5 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Resonant Frequency Phase Response (100 Hz) Broadband Resolution (0.5 to 100 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 200 mV/g ±10 g pk 0 to 1.0 kHz 0 to 1.5 kHz ≥2 kHz <10 ° 1.2 mg rms ≤1 % ≤3 %	<b>SI</b> 20.4 mV/(m/s <sup>2</sup> ) ±98.1 m/s <sup>2</sup> pk 0 to 1.0 kHz 0 to 1.5 kHz ≥2 kHz <10 ° 0.012 m/s <sup>2</sup> rms ≤1 % ≤3 %	<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] Offset tolerance is based on 10 ft of 010 test cable. [2] Typical. [3] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C) [4] FSO = Full Scale Output over the Measurement Range (4VDC). [5] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS027 for details.										
<b>Environmental</b> Overload Limit (Shock) Temperature Range (Operating) Temperature Range (Storage) Temperature Coefficient of Sensitivity Zero g Offset Temperature Coefficient Base Strain Sensitivity Magnetic Sensitivity	±3000 g pk -65 to +250 °F -65 to +250 °F ±3 % ±2 %FSO 0.0001 g/με 10.5 μg/gauss	±29420 m/s <sup>2</sup> pk -54.0 to +121 °C -54.0 to +121 °C ±3 % ±2 %FSO 0.001 (m/s <sup>2</sup> )/με 1.03 (m/s <sup>2</sup> )/Tesla	<b>Supplied Accessories</b> 080A152 Easy Mount Clip (1) 081A113 Mounting screw assembly (2) ACS-85 (1) M081A113 Mounting screw assembly (2)										
<b>Electrical</b> Excitation Voltage Current Consumption Output Impedance Offset Voltage (0 g) Spectral Noise (1 to 100 Hz) Electrical Isolation (Case)	6 to 30 VDC ≤6 mA ≤100 Ohm ±40 mVDC 107.9 μg/√Hz >10 <sup>8</sup> Ohm	6 to 30 VDC ≤6 mA ≤100 Ohm ±40 mVDC 1058 (μm/sec <sup>2</sup> )/√Hz >10 <sup>8</sup> Ohm	[3] [4][3] [2] [2] [1] [2]										
<b>Physical</b> Housing Material Sealing Size (Height x Length x Width)  Weight Electrical Connector Electrical Connection Position Mounting	Titanium Hermetic 0.45 in x 0.85 in x 0.85 in 0.58 oz 4-Pin Side Through Hole	Titanium Hermetic 11.4 mm x 21.6 mm x 21.6 mm 16.3 gm 4-Pin Side Through Hole											
 <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.</p>			<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: RPF</td> <td>Sales: RWM</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 07/31/2012</td> <td>Date: 07/31/2012</td> <td>Date: 07/31/2012</td> <td>Date: 07/31/2012</td> <td><b>45102</b></td> </tr> </table>	Entered: AP	Engineer: RPF	Sales: RWM	Approved: BAM	Spec Number:	Date: 07/31/2012	Date: 07/31/2012	Date: 07/31/2012	Date: 07/31/2012	<b>45102</b>
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Date: 07/31/2012	Date: 07/31/2012	Date: 07/31/2012	Date: 07/31/2012	<b>45102</b>									
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