



Model Number <b>3711B1110G</b>	<b>DC RESPONSE ACCELEROMETER</b>			Revision: C ECN #: 39611
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>	
Sensitivity(± 5 %)	200 mV/g	20.4 mV/(m/s <sup>2</sup> )	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range	± 10 g pk	± 98.1 m/s <sup>2</sup> pk		
Frequency Range(± 5 %)	0 to 1.0 kHz	0 to 1.0 kHz		
Frequency Range(± 10 %)	0 to 1.5 kHz	0 to 1.5 kHz		
Resonant Frequency	≥ 2 kHz	≥ 2 kHz		
Phase Response(100 Hz)	<10 °	<10 °		
Broadband Resolution(0.5 to 100 Hz)	1.2 mg rms	0.012 m/s <sup>2</sup> rms		
Non-Linearity	≤ 1 %	≤ 1 %		
Transverse Sensitivity	≤ 3 %	≤ 3 %	<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)	± 3000 g pk	± 29,420 m/s <sup>2</sup> pk		
Temperature Range(Operating)	-65 to +250 °F	-54.0 to +121 °C		
Temperature Range(Storage)	-65 to +250 °F	-54.0 to +121 °C		
Temperature Coefficient of Sensitivity	± 3 %	± 3 %		
Zero g Offset Temperature Coefficient	± 2 %FSO	± 2 %FSO		
Base Strain Sensitivity	0.0001 g/με	0.001 (m/s <sup>2</sup> )/με		
Magnetic Sensitivity	10.5 μg/gauss	1.03 (m/s <sup>2</sup> )/Tesla		
<b>Electrical</b>				
Excitation Voltage	6 to 30 VDC	6 to 30 VDC		
Current Consumption	≤ 6 mA	≤ 6 mA		
Output Impedance	≤ 100 Ohm	≤ 100 Ohm		
Offset Voltage(0 g)	± 40 mVDC	± 40 mVDC		
Spectral Noise(1 to 100 Hz)	107.9 μg/√Hz	1058 (μm/sec <sup>2</sup> )/√Hz		
Electrical Isolation(Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm		
<b>Physical</b>			<b>SUPPLIED ACCESSORIES:</b> Model 080A152 Easy Mount Clip (1) Model 081A113 Mounting screw assembly (2) Model ACS-85 Phase and Magnitude calibration from 0.5 Hz to 5% pt Linear scale for 3711 3713 DC Accels only (1) Model M081A113 Mounting screw assembly (2)	
Housing Material	Titanium	Titanium		
Sealing	Hermetic	Hermetic		
Size (Height x Length x Width)	0.45 in x 0.85 in x 0.85 in	11.4 mm x 21.6 mm x 21.6 mm		
Weight	0.58 oz	16.3 gm		
Electrical Connector	4-Pin	4-Pin		
Electrical Connection Position	Side	Side		
Mounting	Through Hole	Through Hole		
 [6]			Entered: AP    Engineer: RPF    Sales: RWM    Approved: BAM    Spec Number:	
			Date: 7/31/2012    Date: 7/31/2012    Date: 7/31/2012    Date: 7/31/2012 <b>45102</b>	
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.			 <div>             Phone: 716-684-0001              Fax: 716-684-0987              E-Mail: info@pcb.com           </div>	
			3425 Walden Avenue, Depew, NY 14043	