



Model Number 3713B1110G		TRIAxIAL DC RESPONSE ACCELEROMETER			Revision: D ECN #: 39611											
Performance		ENGLISH	SI		OPTIONAL VERSIONS											
Sensitivity(± 5 %)		200 mV/g	20.4 mV/(m/s²)	[5]	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/s² pk													
Frequency Range(± 5 %)		0 to 1000 Hz	0 to 1000 Hz													
Frequency Range(± 10 %)		0 to 1500 Hz	0 to 1500 Hz													
Resonant Frequency		≥ 2 kHz	≥ 2 kHz													
Phase Response(100 Hz)		<10 °	<10 °		NOTES: [1] Offset tolerance is based on 10 ft of 037 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] Measured at 100 Hz, 1 grms. [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS027 for details.											
Broadband Resolution(0.5 to 100 Hz)		1.2 mg rms	0.012 m/s² rms	[2]												
Non-Linearity		≤ 1 %	≤ 1 %	[6]												
Transverse Sensitivity		≤ 3 %	≤ 3 %													
Environmental																
Overload Limit(Shock)		± 3000 g pk	± 29,420 m/s² 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 %	[3]												
Zero g Offset Temperature Coefficient		± 2 %FSO	± 2 %FSO	[3][4]												
Base Strain Sensitivity		0.0001 g/με	0.001 (m/s²)/με	[2]												
Magnetic Sensitivity		10.5 μg/gauss	1.03 (m/s²)/Tesla	[2]												
Electrical																
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	[1]												
Spectral Noise(1 to 100 Hz)		107.9 μg/√Hz	1058 (μm/sec²)/√Hz	[2]												
Electrical Isolation(Case)		>10 ⁸ Ohm	>10 ⁸ Ohm													
Physical																
Housing Material		Titanium	Titanium		SUPPLIED ACCESSORIES: Model 080A12 Adhesive Mounting Base (1) Model 081B05 Mounting Stud (10-32 to 10-32) (1) Model ACS-85T Triaxial Phase and Magnitude Calibration form 0.5 Hz to 5% pt on linear scale (1) Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)											
Sealing		Hermetic	Hermetic													
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3 mm													
Weight		0.6 oz	17.3 gm													
Electrical Connector		9-Pin	9-Pin													
Electrical Connection Position		Side	Side		<table><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: 7/31/2012</td><td>Date: 7/31/2012</td><td>Date: 7/31/2012</td><td>Date: 7/31/2012</td><td>45154</td></tr></table>		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	45154
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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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