

Model Number 355B12	ACCELEROMETER, ICP®			Revision G ECN #: 30236										
Performance	ENGLISH	SI		Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)										
Sensitivity (±10 %)	10 mV/g	1.02 mV/(m/s²)		M - Metric Mount										
Measurement Range	±500 g pk	±4905 m/s² pk		Supplied Accessory: Model M039A20 Allen Wrench										
Frequency Range (±5 %)	1 to 10000 Hz	1 to 10000 Hz		Supplied Accessory: Model M081B36 Insulated cap screw, M2x0.4 thd x 3/8" long (for Model M357B06)										
Frequency Range (±10 %)	0.6 to 15000 Hz	0.6 to 15000 Hz	[3]											
Frequency Range (±3 dB)	0.3 to 25000 Hz	0.3 to 25000 Hz	[3]											
Resonant Frequency	≥50 kHz	≥50 kHz		Notes										
Broadband Resolution (1 to 10000 Hz)	0.0005 g rms	0.005 m/s² rms	[1]	[1] Typical.										
Non-Linearity	≤1 %	≤1 %	[4]	[2] Only when using off ground washer.										
Transverse Sensitivity	≤5 %	≤5 %	[5]	[3] When used with off ground washer, high frequency specification is typically 2 kHz less on 10% and 3 dB points.										
Environmental				[4] Zero-based, least-squares, straight line method.										
Overload Limit	±10000 g pk	±98100 m/s² pk		[5] Transverse sensitivity is typically ≤= 3%.										
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C		[6] See PCB Declaration of Conformance PS023 for details.										
Base Strain Sensitivity	≤0.05 g/με	≤0.5 (m/s²)/με	[1]											
Electrical				Supplied Accessories										
Excitation Voltage	19 to 30 VDC	19 to 30 VDC		039A20 Allen wrench, 5/64" hex (1)										
Constant Current Excitation	2 to 20 mA	2 to 20 mA		081B36 Insulated cap screw, 2-56 thd x 3/8" long (for Model 357B06) (1)										
Output Impedance	≤100 Ohm	≤100 Ohm		ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)										
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC												
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec												
Settling Time (within 10% of bias)	≤5 sec	≤5 sec												
Spectral Noise (1 Hz)	190 μg/√Hz	1860 (μm/sec²)/√Hz	[1]											
Spectral Noise (10 Hz)	30 μg/√Hz	294 (μm/sec²)/√Hz	[1]											
Spectral Noise (100 Hz)	12 μg/√Hz	118 (μm/sec²)/√Hz	[1]											
Spectral Noise (1 kHz)	5 μg/√Hz	49 (μm/sec²)/√Hz	[1]											
Electrical Isolation (Base)	≥10⁸ Ohm	≥10⁸ Ohm	[2][3]											
Physical														
Size (Height)	0.23 in	5.84 mm												
Weight	0.08 oz	2.3 gm	[1]											
Sensing Element	Ceramic	Ceramic												
Sensing Geometry	Shear	Shear												
Housing Material	Titanium	Titanium												
Sealing	Welded Hermetic	Welded Hermetic												
Size (Length x Width)	0.65 in x 0.38 in	16.4 mm x 9.6 mm												
Electrical Connector	5-44 Coaxial	5-44 Coaxial												
Electrical Connection Position	Side	Side												
Mounting	Through Hole	Through Hole												
Typical Sensitivity Deviation vs Temperature														
<table border="1"> <tr> <td>Entered: BAM</td><td>Engineer: WDC</td><td></td><td></td><td>Spec Number:</td></tr> <tr> <td>Date: 02/25/2009</td><td>Date: 02/25/2009</td><td></td><td></td><td>13472</td></tr> </table> 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					Entered: BAM	Engineer: WDC			Spec Number:	Date: 02/25/2009	Date: 02/25/2009			13472
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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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