

Model Number	ICP® ACCELEROMETER		Revision: H
352C22			ECN #: 42346
Performance	ENGLISH	SI	OPTIONAL VERSIONS
Sensitivity(± 15 %)	10 mV/g	1.0 mV/(m/s ²)	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	± 500 g pk	± 4900 m/s ² pk	
Frequency Range(± 5 %)	1.0 to 10,000 Hz	1.0 to 10,000 Hz	
Frequency Range(± 10 %)	0.7 to 13,000 Hz	0.7 to 13,000 Hz	
Frequency Range(± 3 dB)	0.3 to 20,000 Hz	0.3 to 20,000 Hz	
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.004 g rms	0.04 m/s ² rms [1]	
Non-Linearity	≤ 1 %	≤ 1 % [2]	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph [1]	
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 300 Ohm	≤ 300 Ohm	
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	1.0 to 3.5 sec	1.0 to 3.5 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	800 µg/√Hz	7840 (µm/sec ²)/√Hz [1]	
Spectral Noise(10 Hz)	250 µg/√Hz	2450 (µm/sec ²)/√Hz [1]	
Spectral Noise(100 Hz)	60 µg/√Hz	590 (µm/sec ²)/√Hz [1]	
Spectral Noise(1 kHz)	50 µg/√Hz	490 (µm/sec ²)/√Hz [1]	
Spectral Noise(10 kHz)	40 µg/√Hz	392 (µm/sec ²)/√Hz [1]	
Electrical Isolation(Base)	>10 ⁸ Ohm	>10 ⁸ Ohm	
Physical			
Size (Height x Length x Width)	0.14 in x 0.45 in x 0.25 in	3.6 mm x 11.4 mm x 6.4 mm	
Weight	0.017 oz	0.5 gm [1]	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Anodized Aluminum	Anodized Aluminum	
Sealing	Epoxy	Epoxy	
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	
	<p>Typical Sensitivity Deviation vs Temperature</p>		
<p>NOTES:</p> <p>[1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.</p>			
<p>SUPPLIED ACCESSORIES:</p> <p>Model 030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1) Model 039A27 One-piece removal tool for Models 352C22, 357C10, 352A21, & 357A09 (1) Model 080A109 Petro Wax (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)</p>			
Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB
Date: 12/16/2013	Date: 12/16/2013	Date: 12/16/2013	Date: 12/16/2013
			10668
<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> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			<p>PCB PIEZOTRONICS™</p> <p>3425 Walden Avenue, Depew, NY 14043</p> <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p>



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