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TECHNOLOGY GROUP

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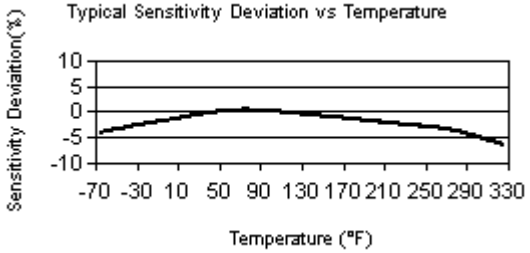
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Model Number	ICP® ACCELEROMETER	Revision: B
352A25		ECN #: 42346

Performance	**ENGLISH**	**SI**	
Sensitivity(± 15 %)	2.5 mV/g	0.25 mV/(m/s²)	
Measurement Range	± 2000 g pk	± 19,600 m/s² 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	≥ 80 kHz	≥ 80 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.01 g rms	0.1 m/s² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	[2]
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)	4500 µg/√Hz	44,100 (µm/sec^2)/√Hz	[1]
Spectral Noise(10 Hz)	1250 µg/√Hz	12,250 (µm/sec^2)/√Hz	[1]
Spectral Noise(100 Hz)	300 µg/√Hz	2940 (µm/sec^2)/√Hz	[1]
Spectral Noise(1 kHz)	100 µg/√Hz	980 (µm/sec^2)/√Hz	[1]
Physical			
Size (Height x Length x Width)	.14 in x 0.45 in x 0.25 in	3.6 mm x 11.4 mm x 6.4 mm	
Weight	0.02 oz	0.6 gm	[1]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Epoxy	Epoxy	
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	

CE[4]



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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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

HT - High temperature, extends normal operation temperatures

Temperature Range(Operating)	-65 to 325 °F	-54 to 163 °C

NOTES:

[1] Typical.
[2] 250° F to 325° F data valid with HT option only.
[3] Zero-based, least-squares, straight line method.
[4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

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)

Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB	Spec Number:
Date: 12/16/2013	Date: 12/16/2013	Date: 12/16/2013	Date: 12/16/2013	**20436**

PCB PIEZOTRONICS
3425 Walden Avenue, Depew, NY 14043
Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com

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