

Model Number
352A60

ICP® ACCELEROMETER

Revision: C
ECN #: 29459

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	[1]
Frequency Range(± 3 dB)	5 to 60,000 Hz	5 to 60,000 Hz	
Electrical Filter Corner Frequency	45 kHz	45 kHz	[2]
Electrical Filter Roll-off	10 dB/decade	10 dB/decade	[2]
Resonant Frequency	≥ 95 kHz	≥ 95 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.002 g rms	0.02 m/s ² rms	[3]
Non-Linearity	≤ 1 %	≤ 1 %	[4]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[5]
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range	-65 to 250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[3]
Base Strain Sensitivity	≤ 0.05 g/με	≤ 0.49 (m/s ²)/με	[3]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	[1]
Output Impedance	≤ 100 ohm	≤ 100 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.02 to 0.06 sec	0.02 to 0.06 sec	[2]
Spectral Noise(10 Hz)	160 μg/√Hz	1570 (μm/s ²)/√Hz	[3]
Spectral Noise(100 Hz)	40 μg/√Hz	390 (μm/s ²)/√Hz	[3]
Spectral Noise(1 kHz)	15 μg/√Hz	147 (μm/s ²)/√Hz	[3]
Spectral Noise(10 kHz)	10 μg/√Hz	98 (μm/s ²)/√Hz	[3]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	3/8 in x 0.81 in	3/8 in x 21.6 mm	
Weight	0.21 oz	6.0 gm	[3]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Top	Top	
Mounting	Integral Stud	Integral Stud	
Mounting Thread	10-32 Male	10-32 Male	

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.

A - Adhesive Mount

Mounting	Adhesive	Adhesive
Mounting Thread	None - Adhesive Mount Only	None - Adhesive Mount Only
Size - Hex x Height	3/8 in x 0.68 in	3/8 in x 17.3 mm
Supplied Accessory :	Model 080A90 Quick Bonding Gel (1)	

M - Metric Mount

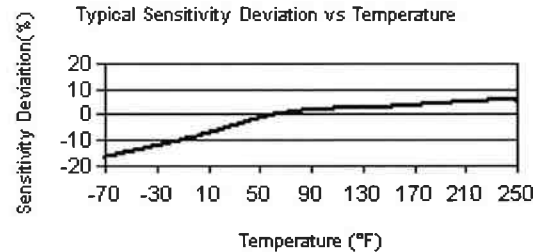
Mounting Thread	M6 x 0.75 Male	M6 x 0.75 Male
-----------------	----------------	----------------

NOTES:

- [1] >6 mA excitation current required when driving cables longer than 50 ft (15.2 m) to avoid distortion and maintain full range
- [2] Calculated.
- [3] Typical.
- [4] Zero-based, least-squares, straight line method.
- [5] Transverse sensitivity is typically ≤ 3%.
- [6] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model ACS-52 Single axis amplitude response calibration from -3 dB to +3 dB frequency range (1)



Entered: <i>JH</i>	Engineer: <i>SM</i>	Sales: <i>QJ</i>	Approved: <i>EB</i>	Spec Number:
Date: <i>9-30-08</i>	Date: <i>9-29-08</i>	Date: <i>9-29-08</i>	Date: <i>9-30-08</i>	20490

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.

ICP® is a registered trademark of PCB Group, Inc.



3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001
Fax: 716-685-3886
E-Mail: vibration@pcb.com