

Model Number 356A67		Revision: A ECN #: 29834	
Performance Sensitivity(± 10 %) Measurement Range Frequency Range(-5 %)(y or z axis) Frequency Range(-5 %)(x axis) Resonant Frequency Filter Type Electrical Filter Roll-off Electrical Filter Cutoff Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity(400 g, 3920 m/s ²) Non-Linearity(500 g, 4900 m/s ²) Transverse Sensitivity		ENGLISH 10 mV/g ± 500 g pk 0.5 to 2500 Hz 0.5 to 3000 Hz ≥ 25 kHz single pole 6 dB/octave 10 kHz 0.0005 g rms ≤ 1 % ≤ 2 % ≤ 5 %	
Environmental Overload Limit(Shock) Temperature Range(Operating) Temperature Response Base Strain Sensitivity		SI 1.02 mV/(m/s ²) ± 4900 m/s ² pk 0.5 to 2500 Hz 0.5 to 3000 Hz ≥ 25 kHz single pole 6 dB/octave 10 kHz 0.0005 m/s ² rms ≤ 1 % ≤ 2 % ≤ 5 %	
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time(within 10% of bias) Spectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(1 kHz)		± 7000 g pk -65 to +250 °F See Graph 0.001 g/µε 20 to 30 VDC 2 to 20 mA ≤ 200 ohm 8 to 12 VDC 1.0 to 2.0 sec <5 sec 150 µg/√Hz 25 µg/√Hz 10 µg/√Hz 5 µg/√Hz	
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Height x Length x Width) Weight Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque		Ceramic Shear Titanium Hermetic 0.55 in x 0.80 in x 0.55 in 0.37 oz 1/4-28 4-Pin Side 10-32 Female 10 to 20 in-lb 14.0 mm x 20.3 mm x 14.0 mm 10.5 gm 1/4-28 4-Pin Side 10-32 Female 113 to 225 N-cm	
		Typical Sensitivity Deviation vs Temperature	
		[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. ICP® is a registered trademark of PCB Group, Inc.		Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com	

TRIAXIAL ICP® ACCELEROMETER

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.

NOTES:

- [1] Typical.
- [2] Upper frequency response is ± 500 Hz from the specified value.
- [3] Zero-based, least-squares, straight line method.
- [4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

- Model 080A109 Petro Wax (1)
- Model 080A12 Adhesive Mounting Base (1)
- Model 081B05 Mounting Stud (10-32 to 10-32) (1)
- Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
- Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Entered: <i>Jeh</i>	Engineer: <i>Bay</i>	Sales: <i>RJL</i>	Approved: <i>EP</i>	Spec Number:
Date: <i>12-15-08</i>	Date: <i>12-12-08</i>	Date: <i>12-12-08</i>	Date: <i>12-15-08</i>	22169

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