

Model Number 301A12	<b>ICP® ACCELEROMETER</b>			Revision: C ECN #: 32967										
<b>Performance</b> Sensitivity(± 20 %) Measurement Range Frequency Range(± 5 %) Resonant Frequency Broadband Resolution Non-Linearity(per 1000 g (9810 m/s <sup>2</sup> )) Transverse Sensitivity	<b>ENGLISH</b> 0.5 mV/g ± 10,000 g pk 1 to 10,000 Hz ≥ 30 kHz 0.02 g rms ≤ 0.1 % ≤ 3 %	<b>SI</b> 0.051 mV/(m/s <sup>2</sup> ) ± 98,100 m/s <sup>2</sup> pk 1 to 10,000 Hz ≥ 30 kHz 0.20 m/s <sup>2</sup> rms ≤ 0.1 % ≤ 3 %	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.  <b>NOTES:</b> [1] Typical. [2] See PCB Declaration of Conformance PS023 for details.											
<b>Environmental</b> Overload Limit Temperature Range	± 12,500 g pk -65 to 250 °F	± 122,625 m/s <sup>2</sup> pk -54 to 121 °C			<b>SUPPLIED ACCESSORIES:</b> Model 081A08 Mounting Stud (10-32 to 1/4-28) (2) Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (2) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) Model ACS-14 High G shock accelerometer calibration using Hopkinson bar. Model M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (2)	<table border="1"> <tr> <td data-bbox="1039 803 1186 844">Entered: JH</td> <td data-bbox="1186 803 1354 844">Engineer: BKM</td> <td data-bbox="1354 803 1512 844">Sales: WDC</td> <td data-bbox="1512 803 1680 844">Approved: EB</td> <td data-bbox="1680 803 1843 844">Spec Number:</td> </tr> <tr> <td data-bbox="1039 844 1186 885">Date: 5-20-10</td> <td data-bbox="1186 844 1354 885">Date: 5-19-10</td> <td data-bbox="1354 844 1512 885">Date: 5-19-10</td> <td data-bbox="1512 844 1680 885">Date: 5-19-10</td> <td data-bbox="1680 844 1843 885">32575</td> </tr> </table>	Entered: JH	Engineer: BKM	Sales: WDC	Approved: EB	Spec Number:	Date: 5-20-10	Date: 5-19-10	Date: 5-19-10
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<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant	18 to 30 VDC 2 to 20 mA <100 8 to 12 VDC 0.5 to 2.0 sec	18 to 30 VDC 2 to 20 mA <100 8 to 12 VDC 0.5 to 2.0 sec												
<b>Physical</b> Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread(Shaker Mount) (Unit Under Test Mount)	Quartz Shear 17-4 Stainless Steel Hermetic 5/8 in x 1.43 in 1.5 oz 10-32 Coaxial Jack Side 1/4-28 Male 1/4-28 Female	Quartz Shear 17-4 Stainless Steel Hermetic 5/8 in x 36.3 mm 42 gm 10-32 Coaxial Jack Side 1/4-28 Male 1/4-28 Female												



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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**PCB PIEZOTRONICS**  
VIBRATION DIVISION  
3425 Walden Avenue, Depew, NY 14043

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