
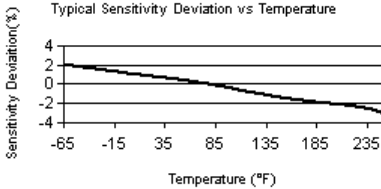



Model Number 627A11	"LOW-COST QUARTZ, ICP® INDUSTRIAL ACCELEROMETER"			Revision C ECN #: 14824										
Performance Sensitivity (±15 %) Measurement Range Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 100 mV/g ±50 g 20 to 600000 cpm 1080 kcpm 1000 µg ±1 % ≤5 %	SI 10.2 mV/(m/s ²) ±490 m/s ² 0.33 to 10000 Hz 18 kHz 9810 µm/sec ² ±1 % ≤5 %	 	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Supplied Accessory: Model M081A61 Mounting stud, 1/4-28 to M6 x 1 replaces Model 081A40 Notes [1] Typical. [2] Conversion Factor 1g = 9.81 m/s ² . [3] The high frequency tolerance is accurate within ±10% of the specified frequency. [4] Zero-based, least-squares, straight line method. [5] 1/4-28 has no equivalent in S.I. units. [6] Twisted shielded pair. [7] See PCB Declaration of Conformance PS023 for details.										
Environmental Overload Limit (Shock) Temperature Range Enclosure Rating	5000 g pk -65 to +250 °F IP68	49050 m/s ² pk -54 to +121 °C IP68												
Electrical Settling Time (within 1% of bias) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Protection Electrical Isolation (Case)	≤10 sec ≥0.5 sec 18 to 28 VDC 2 to 20 mA <100 Ohm 8 to 12 VDC 50 µg/√Hz 20 µg/√Hz 6 µg/√Hz RFI/ESD >10 ⁸ Ohm	≤10 sec ≥0.5 sec 18 to 28 VDC 2 to 20 mA <100 Ohm 8 to 12 VDC 491 (µm/sec ²)/√Hz 196 (µm/sec ²)/√Hz 59 (µm/sec ²)/√Hz RFI/ESD >10 ⁸ Ohm	 	Supplied Accessories 081A40 Mounting Stud (1)										
Physical Size (Hex x Height) Weight (without cable) Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Cable Length Cable Type	7/8 in x 4.3 in 3.3 oz 1/4-28 Female 2 to 5 ft-lb Quartz Shear Stainless Steel Welded Hermetic Molded Integral Cable Top 10 ft Polyurethane	22 mm x 109 mm 94 gm Not Applicable 2.7 to 6.8 Nm Quartz Shear Stainless Steel Welded Hermetic Molded Integral Cable Top 3.0 m Polyurethane	 											
 [7]	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 			<table border="1" data-bbox="1123 1144 2016 1250"> <tr> <td>Entered: MWS</td> <td>Engineer: MWS</td> <td>Sales: EGY</td> <td>Approved: NJF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 10/04/2002</td> <td>Date: 10/04/2002</td> <td>Date: 10/09/2002</td> <td>Date: 10/07/2002</td> <td>8310</td> </tr> </table> <div data-bbox="1134 1274 1522 1372" style="text-align: center;">  <p>IMI SENSORS A PCB PIEZOTRONICS DIV.</p> </div> <div data-bbox="1564 1274 1890 1453"> 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 716-684-0003 Fax: 716-684-3823 E-mail: imi@pcb.com Web site: www.imi-sensors.com </div>	Entered: MWS	Engineer: MWS	Sales: EGY	Approved: NJF	Spec Number:	Date: 10/04/2002	Date: 10/04/2002	Date: 10/09/2002	Date: 10/07/2002	8310
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<p><i>All specifications are at room temperature unless otherwise specified.</i> In the interest of constant product improvement, we reserve the right to change specifications without notice.</p>														

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