
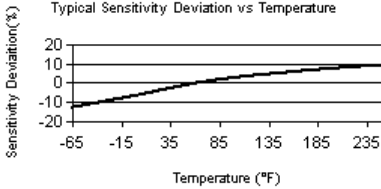



Model Number <b>623C61</b>	<b>ACCELEROMETER, INDUSTRIAL, ICP®</b>		Revision C ECN #: 14824								
<b>Performance</b> Measurement Range Frequency Range ( $\pm 5\%$ ) Frequency Range ( $\pm 10\%$ ) Frequency Range ( $\pm 3\text{ dB}$ ) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> $\pm 50\text{ g}$ 144 to 480000 cpm 102 to 600000 cpm 48 to 900000 cpm 2400 kcpm 100 $\mu\text{g}$ $\pm 1\%$ $\leq 5\%$	<b>SI</b> $\pm 490\text{ m/s}^2$ 2.4 to 8000 Hz 1.7 to 10000 Hz 0.8 to 15000 Hz 40 kHz 981 $\mu\text{m/sec}^2$ $\pm 1\%$ $\leq 5\%$	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>LB</b> - Low Bias Voltage Output Bias Voltage                      6 to 8 VDC                      6 to 8 VDC Excitation Voltage                          12 to 28 VDC                      12 to 28 VDC Measurement Range $\pm 35\text{ g}$ $\pm 343\text{ m/s}^2$ <b>M</b> - Metric Mount Supplied Accessory: Model M081A61 Mounting stud, 1/4-28 to M6 x 1 replaces Model 081A40								
<b>Environmental</b> Overload Limit (Shock) Temperature Range Enclosure Rating	5000 g pk $-65\text{ to }+250\text{ }^\circ\text{F}$ IP68	49050 $\text{m/s}^2$ pk $-54\text{ to }+121\text{ }^\circ\text{C}$ IP68	<b>Notes</b> [1] Typical. [2] The high frequency tolerance is accurate within $\pm 10\%$ of the specified frequency. [3] Zero-based, least-squares, straight line method. [4] 1/4-28 has no equivalent in S.I. units. [5] Stainless steel armor jacket over twisted shielded pair. [6] See PCB Declaration of Conformance PS023 for details.								
<b>Electrical</b> 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)	$\leq 2.0\text{ sec}$ $\geq 0.2\text{ sec}$ 18 to 28 VDC 2 to 20 mA $< 150\text{ Ohm}$ 8 to 12 VDC 7.0 $\mu\text{g}/\sqrt{\text{Hz}}$ 2.8 $\mu\text{g}/\sqrt{\text{Hz}}$ 0.9 $\mu\text{g}/\sqrt{\text{Hz}}$ RFI/ESD $> 10^9\text{ Ohm}$	$\leq 2.0\text{ sec}$ $\geq 0.2\text{ sec}$ 18 to 28 VDC 2 to 20 mA $< 150\text{ Ohm}$ 8 to 12 VDC 68.7 ( $\mu\text{m/sec}^2/\sqrt{\text{Hz}}$ ) 27.5 ( $\mu\text{m/sec}^2/\sqrt{\text{Hz}}$ ) 8.8 ( $\mu\text{m/sec}^2/\sqrt{\text{Hz}}$ ) RFI/ESD $> 10^9\text{ Ohm}$	<b>Supplied Accessories</b> 081A40 Mounting Stud (1) ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency ( )								
<b>Physical</b> 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	11/16 in x 4.4 in 1.80 oz 1/4-28 Female 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic Integral Armored Cable Top 10 ft Polyurethane	17.5 mm x 112 mm 51 gm Not Applicable 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic Integral Armored Cable Top 3.0 m Polyurethane									
			<table border="1" data-bbox="1129 1149 2016 1226"> <tr> <td>Entered: MWS</td> <td>Engineer: HJB</td> <td>Sales: NJF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 07/23/1999</td> <td>Date: 07/23/1999</td> <td>Date: 07/26/1999</td> <td><b>7982</b></td> </tr> </table>  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	Entered: MWS	Engineer: HJB	Sales: NJF	Spec Number:	Date: 07/23/1999	Date: 07/23/1999	Date: 07/26/1999	<b>7982</b>
Entered: MWS	Engineer: HJB	Sales: NJF	Spec Number:								
Date: 07/23/1999	Date: 07/23/1999	Date: 07/26/1999	<b>7982</b>								

*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.