



Model Number 106B	ICP® PRESSURE SENSOR			Revision: AA ECN #: 52524										
<p><b>Performance</b></p> <p>Measurement Range(for ±2.5V output) Sensitivity(± 15 %) Maximum Pressure(step) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response(- 5 %) Non-Linearity</p> <p><b>Environmental</b></p> <p>Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock</p> <p><b>Electrical</b></p> <p>Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage</p> <p><b>Physical</b></p> <p>Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight</p>	<p><b>ENGLISH</b></p> <p>8.3 psi 300 mV/psi 200 psi 2 kpsi 0.0001 psi ≥ 60 kHz ≤ 9 μ sec 0.5 Hz ≤ 1 % FS</p> <p>≤ 0.002 psi/g -65 to +250 °F ≤ 0.05 %/°F 3,000 °F 2,000 g pk</p> <p>Positive ≥ 1 sec 12 to 30 VDC 2 to 20 mA ≤ 100 Ohm 3 to 8 VDC</p> <p>Compression Quartz 304/304L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 0.63 oz</p>	<p><b>SI</b></p> <p>57.2 kPa 43.5 mV/kPa 1,379 kPa 13,790 kPa 0.00069 kPa ≥ 60 kHz ≤ 9 μ sec 0.5 Hz ≤ 1 % FS</p> <p>≤ 0.0014 kPa/(m/s<sup>2</sup>) -54 to +121 °C ≤ 0.09 %/°C 1,649 °C 19,600 m/s<sup>2</sup> pk</p> <p>Positive ≥ 1 sec 12 to 30 VDC 2 to 20 mA ≤ 100 Ohm 3 to 8 VDC</p> <p>Compression Quartz 304/304L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 18.0 gm</p>	<p>[1]</p> <p>[2]</p>	<p><b>OPTIONAL VERSIONS</b></p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p> <p><b>E</b> - Emralon coating Coating Electrical Isolation Optional Accessory: Model 065A47 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Acetal (3)</p> <p>Emralon 10<sup>8</sup> Ohm 10<sup>8</sup> Ohm</p> <p>[4]</p> <p><b>J</b> - Ground Isolated Electrical Isolation(50 V)</p> <p>10<sup>8</sup> Ohm 10<sup>8</sup> Ohm</p> <p><b>T</b> - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 Output Bias Voltage</p> <p>3.7 to 8.7 VDC 3.7 to 8.7 VDC</p> <p>[5]</p> <p><b>W</b> - Water Resistant Cable Supplied Accessory: Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1)</p> <p>[5]</p> <p><b>WM</b> - Water Resistant Cable Supplied Accessory: Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)</p>										
<p><b>NOTES:</b></p> <p>[1]Typical. [2]Zero-based, least-squares, straight line method. [3]See PCB Declaration of Conformance PS023 for details. [4]Used with optional mounting adaptor. [5]Clamp nut installed prior to cable attachment</p>														
<p><b>SUPPLIED ACCESSORIES:</b></p> <p>Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex (1) Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1) Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass (3)</p>														
<table border="1"> <tr> <td>Entered: ND</td> <td>Engineer: MJK</td> <td>Sales: MV</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 02/01/2022</td> <td>Date: 02/01/2022</td> <td>Date: 02/01/2022</td> <td>Date: 02/01/2022</td> <td>106-2010-80</td> </tr> </table>					Entered: ND	Engineer: MJK	Sales: MV	Approved: RPF	Spec Number:	Date: 02/01/2022	Date: 02/01/2022	Date: 02/01/2022	Date: 02/01/2022	106-2010-80
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<p> [3]</p> <p>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 Piezotronics, Inc.</p> <p> <b>PCB PIEZOTRONICS</b> AN AMPHENOL COMPANY Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> <p>3425 Walden Avenue, Depew, NY 14043</p>														