



Model Number 102B16	ICP® PRESSURE SENSOR			Revision: C ECN #: 53357										
<p><b>Performance</b></p> <p>Measurement Range(for ±5V output)      100 psi</p> <p>Useful Overrange(for ± 10V output)      200 psi</p> <p>Sensitivity(± 5 mV/psi)      50 mV/psi</p> <p>Maximum Pressure(static)      1,000 psi</p> <p>Resolution      1 mpsi</p> <p>Resonant Frequency      ≥ 500 kHz</p> <p>Rise Time(Reflected)      ≤ 1.0 μ sec</p> <p>Low Frequency Response(- 5 %)      0.5 Hz</p> <p>Non-Linearity      ≤ 1.0 % FS</p> <p><b>Environmental</b></p> <p>Acceleration Sensitivity      ≤ 0.002 psi/g</p> <p>Temperature Range(Operating)      -100 to +275 °F</p> <p>Temperature Coefficient of Sensitivity      ≤ 0.03 %/°F</p> <p>Maximum Flash Temperature      3,000 °F</p> <p>Maximum Shock      20,000 g pk</p> <p><b>Electrical</b></p> <p>Output Polarity(Positive Pressure)      Positive</p> <p>Discharge Time Constant(at room temp)      ≥ 1.0 sec</p> <p>Excitation Voltage      20 to 30 VDC</p> <p>Constant Current Excitation      2 to 20 mA</p> <p>Output Impedance      &lt; 100 Ohm</p> <p>Output Bias Voltage      8 to 14 VDC</p> <p>Electrical Isolation      10<sup>8</sup> Ohm</p> <p><b>Physical</b></p> <p>Sensing Geometry      Compression</p> <p>Sensing Element      Quartz</p> <p>Housing Material      Stainless Steel</p> <p>Diaphragm      Invar</p> <p>Sealing      Welded Hermetic</p> <p>Electrical Connector      10-32 Coaxial Jack</p> <p>Weight      0.50 oz</p>	<p><b>ENGLISH</b></p>	<p><b>SI</b></p>	<p>[1]</p> <p>[2]</p> <p>[3]</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>CA</b> - Ablative Coating</p> <p><b>M</b> - Metric Mount Supplied Accessory: Model 065A40 Seal ring 0.435" OD x 0.397" ID x 0.030" thk brass (3) replaces Model 065A03</p> <p><b>N</b> - Negative Output Polarity</p> <p><b>S</b> - Stainless Steel Diaphragm      316L Stainless Steel      316L Stainless Steel</p> <p><b>W</b> - Water Resistant Cable</p>										
<p><b>NOTES:</b></p> <p>[1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.</p> <p>[2] Typical.</p> <p>[3] Zero-based, least-squares, straight line method.</p> <p>[4] See PCB Declaration of Conformance PS023 for details.</p>														
<p><b>SUPPLIED ACCESSORIES:</b></p> <p>Model 065A03 Seal ring 0.435" OD x 0.377" ID x 0.030" thk brass (3)</p>														
<table border="1"> <tr> <td>Entered: ND</td> <td>Engineer: RPF</td> <td>Sales: RWM</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 11/30/2022</td> <td>Date: 11/30/2022</td> <td>Date: 11/30/2022</td> <td>Date: 11/30/2022</td> <td>40740</td> </tr> </table>					Entered: ND	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:	Date: 11/30/2022	Date: 11/30/2022	Date: 11/30/2022	Date: 11/30/2022	40740
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<p> [4]</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</p> <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> <p>3425 Walden Avenue, Depew, NY 14043</p>														