



Model Number 102B11	<b>ICP® PRESSURE SENSOR</b>		Revision: B ECN #: 50860	
<b>Performance</b> Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity Maximum Pressure(step) Maximum Pressure(Total) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(- 5 %) Non-Linearity	<b>ENGLISH</b> 1 kpsi 2,000 psi 5.0 mV/psi 10,000 psi 15 kpsi 20 mpsi ≥ 250 kHz ≤ 2.0 μ sec 0.25 Hz ≤ 1.0 % FS	<b>SI</b> 6,895 kPa 13,790 kPa 0.725 mV/kPa 69,000 kPa 103,425 kPa 0.138 kPa ≥ 250 kHz ≤ 2.0 μ sec 0.25 Hz ≤ 1.0 % FS	<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>M</b> - Metric Mount Supplied Accessory: Model 065A34 Seal ring 0.435" OD x 0.397" ID x 0.030" Cu (3)	
<b>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤ 0.002 psi/g -320 to +212 °F ≤ 0.06 %/°F 3,000 °F 2,000 g pk 20,000 g pk	≤ 0.0014 kPa/(m/s <sup>2</sup> ) -196 to +100 °C ≤ 0.108 %/°C 1,649 °C 19,613 m/s <sup>2</sup> pk 196,133 m/s <sup>2</sup> pk		
<b>Electrical</b> Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥ 2.0 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 9 to 13 VDC	Positive ≥ 2.0 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 9 to 13 VDC		
<b>Physical</b> Sensing Element Housing Material Thread Adaptor Material Diaphragm Sealing Electrical Connector Weight	Quartz 304L/316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack .388 oz	Quartz 304L/316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 11.00 gm		
	<b>NOTES:</b> [1]Excitation voltage >=28 volts required. [2]Due to high sensitivity, the static pressure should be applied and removed very slowly. Rate should prevent more than 10 Volt change in output until Output Bias Voltage returns to normal (approximately 15 times discharge time constant). [3]Zero-based, least-squares, straight line method. [4]See PCB Declaration of Conformance PS023 for details.			
	<b>SUPPLIED ACCESSORIES:</b> Model 065A44 Seal ring 0.435" OD x 0.377" ID x 0.030" thk Cu (3)			
Entered: LK	Engineer: NJL	Sales: RWM	Approved: RPF	Spec Number:
Date: 07/09/2020	Date: 07/09/2020	Date: 07/09/2020	Date: 07/09/2020	70581
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="184 1435 1008 1521"> <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> </div> <div data-bbox="1129 1369 1686 1435" style="text-align: right;">  <p>Phone: 716-684-0001            Fax: 716-684-0987            E-Mail: info@pcb.com</p> </div> </div>				