



Model Number 106B51	ICP® PRESSURE SENSOR			Revision: C ECN #: 54898
<b>Performance</b> Measurement Range(for ±5V output) Useful Overrange Sensitivity(± 15 %) Maximum Pressure(step) Maximum Pressure(static) Resolution Resonant Frequency Rise Time Low Frequency Response(- 5 %) Non-Linearity <b>Environmental</b> Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock <b>Electrical</b> Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage <b>Physical</b> Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	<b>ENGLISH</b> 5 psi 10 psi 1,000 mV/psi 100 psi 500 psi 0.05m psi ≥ 40 kHz ≤ 12 μ sec 0.5 Hz ≤ 1 % FS 0.002 psi/g -65 to +250 °F ≤ 0.03 %/°F 3,000 °F 500 g pk 1,000 g pk Positive ≥ 1 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 14 VDC Quartz 17-4 Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 1.13 oz	<b>SI</b> 35 kPa 69 kPa 145 mV/kPa 690 kPa 3,448 kPa .00034 kPa ≥ 40 kHz ≤ 12 μ sec 0.5 Hz ≤ 1 % FS 0.0014 kPa/(m/s <sup>2</sup> ) -54 to +121 °C ≤ 0.054 %/°C 1,649 °C 4,900 m/s <sup>2</sup> pk 9,800 m/s <sup>2</sup> pk Positive ≥ 1 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 8 to 14 VDC Quartz 17-4 Stainless Steel 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack 32 gm	<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>E</b> - Emralon coating Coating Electrical Isolation Emralon 10 <sup>8</sup> Ohm Emralon 10 <sup>8</sup> Ohm <b>J</b> - Ground Isolated Electrical Isolation(50 V) 10 <sup>8</sup> Ohm 10 <sup>8</sup> Ohm <b>W</b> - Water Resistant Cable Supplied Accessory: Model 060A11 Acetal clamp nut 3/4-16-2A thd 3/4" hex (1) <b>WM</b> - Water Resistant Cable Supplied Accessory: Model 060A13 Metric Acetal clamp nut M20 x 1.5-6g thd 20 mm hex (1)	
<b>NOTES:</b> [1]For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2]Typical. [3]Zero-based, least-squares, straight line method. [4]See PCB Declaration of Conformance PS023 for details. [5]Used with optional mounting adaptor. [6]Clamp nut installed prior to cable attachment				
<b>SUPPLIED ACCESSORIES:</b> Model 060A11 Acetal clamp nut 3/4-16-2A thd 3/4" hex (1) Model 060A13 Metric Acetal clamp nut M20 x 1.5-6g thd 20 mm hex (1) Model 065A36 Seal, .687" OD x .625" ID x .060", Derlin (3) Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range. Model PCS-17 Electrostatic Actuator (ESA) frequency response from 20 Hz to 50 kHz Model PCS-24 Sensor sensitivity calibration with Pistonphone				
Entered: ND	Engineer: AJA	Sales: MV	Approved: RPF	Spec Number:
Date: 05/31/2024	Date: 05/31/2024	Date: 05/31/2024	Date: 05/31/2024	23894
 <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>Phone: 716-684-0001            Fax: 716-684-0987            E-Mail: info@pcb.com</p> <p>3425 Walden Avenue, Depew, NY 14043</p>				