


Model Number 103B11	ACOUSTIC ICP® PRESSURE SENSOR		Revision B ECN #: 20470											
Performance Measurement Range (± 5 V output) Useful Overrange (± 10 V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response (-5 %) Non-Linearity	ENGLISH 10 psi 20 psi 500 mV/psi 250 psi 0.06 mpsi ≥13 kHz ≤25 µ sec 5 Hz ≤2.0 % FS	SI 190.7 dB 196.7 dB 72.5 mV/kPa 1724 kPa 86.3 dB ≥13 kHz ≤25 µ sec 5 Hz ≤2.0 % FS	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Supplied Accessory: Model M061A04 Clamp Notes [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.											
Environmental Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock	≤0.0005 psi/g -100 to 250 °F ≤0.2 %/°F 1000 °F 1000 g pk	≤0.0035 kPa/(m/s ²) -73 to 121 °C ≤0.36 %/°C 538 °C 9807 m/s ² pk	Supplied Accessories 061A04 Sleeve clamp 4-40 cap screw (2) 065A66 Adhesive Mounting Ring (3)											
Electrical Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥0.1 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 7 to 13 VDC	Positive ≥0.1 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 7 to 13 VDC												
Physical Sensing Element Housing Material Diaphragm Sealing Electrical Connector Cable Termination Weight Cable Type Cable Length	Ceramic Stainless Steel 316L Stainless Steel Steel Epoxy Integral Cable Pigtail Ends 0.115 oz 32 AWG stranded wires 15 in	Ceramic Stainless Steel 316L Stainless Steel Steel Epoxy Integral Cable Pigtail Ends 3.260 gm 32 AWG stranded wires 38.1 cm												
<p><i>All specifications are at room temperature unless otherwise specified.</i> 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.</p>				<table border="1"> <tr> <td>Entered: BLS</td> <td>Engineer: MTT</td> <td>Sales: DPC</td> <td>Approved: MEM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 09/17/2004</td> <td>Date: 09/17/2004</td> <td>Date: 09/17/2004</td> <td>Date: 09/17/2004</td> <td>24846</td> </tr> </table>	Entered: BLS	Engineer: MTT	Sales: DPC	Approved: MEM	Spec Number:	Date: 09/17/2004	Date: 09/17/2004	Date: 09/17/2004	Date: 09/17/2004	24846
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