

Model Number 137B23A	ICP® PRESSURE SENSOR			Revision B ECN #: 39466										
Performance Measurement Range (for ±5V output) Useful Overrange (for ± 10V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Incident) Non-Linearity	ENGLISH 50 psi 100 psi 100 mV/psi 1 kpsi 10 mpsi ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	SI 345 kPa 690 kPa 14.5 mV/kPa 6895 kPa 0.069 kPa ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	[1] [2] [3]	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) Notes [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.										
Environmental Temperature Range (Operating) Temperature Coefficient of Sensitivity	-100 to +275 °F ≤0.05 %/°F	-73 to +135 °C ≤0.090 %/°C		Supplied Accessories 085A43 Connector Protector (1) PCS-6 Calibration of Series 134, 137, and 138 (1)										
Electrical Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	≥0.2 sec 22 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC	≥0.2 sec 22 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC												
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz Aluminum Invar Epoxy 10-32 Coaxial Jack 12.5 oz	Compression Quartz Aluminum Invar Epoxy 10-32 Coaxial Jack 353 gm	[2]											
 [4]	<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 group, Inc.</p>													
<table border="1"> <tr> <td>Entered: ECB</td> <td>Engineer: MJN</td> <td>Sales: RWM</td> <td>Approved: TB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 07/26/2012</td> <td>Date: 07/26/2012</td> <td>Date: 07/26/2012</td> <td>Date: 07/26/2012</td> <td>40954</td> </tr> </table>					Entered: ECB	Engineer: MJN	Sales: RWM	Approved: TB	Spec Number:	Date: 07/26/2012	Date: 07/26/2012	Date: 07/26/2012	Date: 07/26/2012	40954
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