



Model Number 137B21A	ICP® PRESSURE SENSOR			Revision: A ECN #: 41884										
Performance	ENGLISH	SI		OPTIONAL VERSIONS										
Measurement Range(for ±1V output)	1 kpsi	6895 kPa		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Sensitivity(± 15 %)	1 mV/psi	.145 mV/kPa												
Maximum Pressure	5 kpsi	34,474 kPa		NOTES: [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.										
Resolution	8.5 mpsi	.059 kPa	[1]											
Resonant Frequency	≥ 400 kHz	≥ 400 kHz												
Rise Time(Incident)	≤ 6.5 μ sec	≤ 6.5 μ sec												
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[2]	SUPPLIED ACCESSORIES: Model 085A43 Connector Protector (1) Model PCS-6 Calibration of Series 134, 137, and 138 (1)										
Environmental														
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C												
Temperature Coefficient of Sensitivity	≤ 0.05 %/°F	≤ 0.090 %/°C												
Electrical														
Discharge Time Constant(at room temp)	≥ 0.2 sec	≥ 0.2 sec												
Excitation Voltage	20 to 30 VDC	20 to 30 VDC												
Constant Current Excitation	2 to 20 mA	2 to 20 mA												
Output Impedance	≤ 100 Ohm	≤ 100 Ohm												
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC												
Physical														
Sensing Geometry	Compression	Compression												
Sensing Element	Quartz	Quartz												
Housing Material	Aluminum	Aluminum												
Diaphragm	Invar	Invar												
Sealing	Epoxy	Epoxy												
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack												
Weight	12.5 oz	354 gm	[1]											
<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: JDK</td> <td>Sales: RWM</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 8/14/2013</td> <td>Date: 8/14/2013</td> <td>Date: 8/14/2013</td> <td>Date: 8/14/2013</td> <td>55315</td> </tr> </table>					Entered: AP	Engineer: JDK	Sales: RWM	Approved: BAM	Spec Number:	Date: 8/14/2013	Date: 8/14/2013	Date: 8/14/2013	Date: 8/14/2013	55315
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 [3]														
<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.</p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			<p>3425 Walden Avenue, Depew, NY 14043</p> <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p>											



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