



Model Number 137B21A	ICP® PRESSURE SENSOR		Revision A ECN #: 41884	
Performance Measurement Range (for ±1V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Incident) Non-Linearity	ENGLISH 1 kpsi 1 mV/psi 5 kpsi 8.5 mpsi ≥400 kHz ≤6.5 μ sec ≤1.0 % FS	SI 6895 kPa .145 mV/kPa 34474 kPa .059 kPa ≥400 kHz ≤6.5 μ sec ≤1.0 % 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.) Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] 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 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC	≥0.2 sec 20 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 354 gm	[1]	
 [3]				
<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.				
Entered: AP	Engineer: JDK	Sales: RWM	Approved: BAM	Spec Number:
Date: 08/14/2013	Date: 08/14/2013	Date: 08/14/2013	Date: 08/14/2013	55315
			3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com	