

Model Number 137B26		ICP® PRESSURE SENSOR		Revision: NR ECN #: 46873											
Performance		ENGLISH	SI	OPTIONAL VERSIONS											
Measurement Range(for ±5V output)		250 psi	1724 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.											
Useful Overrange(for ± 10V output)		500 psi	3447 kPa												
Sensitivity(± 15 %)		20 mV/psi	2.90 mV/kPa												
Maximum Pressure		5 kpsi	34,474 kPa												
Resolution		.7 mpsi	.005 kPa												
Resonant Frequency		≥ 400 kHz	≥ 400 kHz	NOTES: [1] For +10 volt output, minimum 26 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Two identically spec'd elements spaced 10cm apart - see drawing #65310 for details. Individual calibration certs supplied for each channel. [3] Typical. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details.											
Rise Time(Incident)		≤ 6.5 μ sec	≤ 6.5 μ sec												
Non-Linearity		≤ 1.0 % FS	≤ 1.0 % FS												
Environmental															
Temperature Range(Operating)		-100 to +275 °F	-73 to +135 °C												
Temperature Coefficient of Sensitivity		≤ 0.05 %/°F	≤ 0.090 %/°C	SUPPLIED ACCESSORIES: Model PCS-6 Calibration of Series 134, 137, and 138 (2) OPTIONAL ACCESSORIES: Model 010AYXXXQM 4-socket plug to double splice BNC plugs											
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		≤ 200 Ohm	≤ 200 Ohm	<table><tr><td>Entered: JM</td><td>Engineer: DK</td><td>Sales: RWM</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 6/6/2017</td><td>Date: 6/6/2017</td><td>Date: 6/6/2017</td><td>Date: 6/6/2017</td><td>67137</td></tr></table>		Entered: JM	Engineer: DK	Sales: RWM	Approved: BAM	Spec Number:	Date: 6/6/2017	Date: 6/6/2017	Date: 6/6/2017	Date: 6/6/2017	67137
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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		4-Pin	4-Pin												
Weight		16.1 oz	456 gm												
 [5]															
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.															
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