



Model Number 108A04	ICP® PRESSURE SENSOR		Revision NR ECN #:										
Performance Measurement Range (for ± 4.5V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Reflected) Low Frequency Response (-5 %) Non-Linearity	ENGLISH 30 kpsi 0.15 mV/psi 50 kpsi 500 mpsi ≥250 kHz ≤2 µ sec 0.002 Hz ≤2 % FS	SI 207000 kPa 0.022 mV/kPa 344750 kPa 3.5 kPa ≥250 kHz ≤2 µ sec 0.002 Hz ≤2 % 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 N - Negative Output Polarity W - Water Resistant Cable Notes [1] Zero-based, least-squares, straight line method. [2] See PCB Declaration of Conformance PS023 for details.										
Environmental Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Vibration Maximum Shock	≤0.05 psi/g -100 to +275 °F ≤0.10 %/°F 2000 g pk 20000 g pk	≤0.035 kPa/(m/s ²) -73 to +135 °C ≤0.18 %/°C 19614 m/s ² pk 196140 m/s ² pk	Supplied Accessories 065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)										
Electrical Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥250 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC	Positive ≥250 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 C-300 C-300 Welded Hermetic 10-32 Coaxial Jack 0.48 oz	Compression Quartz C-300 C-300 Welded Hermetic 10-32 Coaxial Jack 13.6 gm											
 [2]	<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: BLS</td> <td>Engineer: NJL</td> <td>Sales: DPC</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 04/04/2005</td> <td>Date: 04/04/2005</td> <td>Date: 04/04/2005</td> <td>Date: 04/04/2005</td> <td>28544</td> </tr> </table>				Entered: BLS	Engineer: NJL	Sales: DPC	Approved: RPF	Spec Number:	Date: 04/04/2005	Date: 04/04/2005	Date: 04/04/2005	Date: 04/04/2005	28544
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