



Model Number 108A02	PRESSURE SENSOR, ICP®		Revision C ECN #: 25662						
Performance Measurement Range (for ±5V output) Useful Overrange (for ± 10V output) Sensitivity (±15 %) Maximum Pressure (static) Resolution Resonant Frequency Rise Time (Reflected) Low Frequency Response (-5 %) Non-Linearity	ENGLISH 10 kpsi 20 kpsi 0.5 mV/psi 50 kpsi 200 mpsi ≥250 kHz ≤2 μ sec 0.01 Hz ≤2 % FS	SI 68950 kPa 137900 kPa 0.073 mV/kPa 344750 kPa 1.4 kPa ≥250 kHz ≤2 μ sec 0.01 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] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Zero-based, least-squares, straight line method. [3] 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 ≥50 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 14 VDC	Positive ≥50 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 0.42 oz	Compression Quartz C-300 C-300 Welded Hermetic 10-32 Coaxial Jack 12 gm							
 [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. ICP® is a registered trademark of PCB group, Inc.</p>									
Entered: BLS		Engineer: RPF		Sales: DPC		Approved: NJL		Spec Number:	
Date: 01/16/2007		Date: 01/16/2007		Date: 01/16/2007		Date: 01/16/2007		6913	
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