



Model Number 106B50	ICP® PRESSURE SENSOR		Revision M ECN #: 29520										
Performance Measurement Range (for ±2.5V output) Sensitivity (±15 %) Maximum Pressure (step) Maximum Pressure (static) Resolution Resonant Frequency Rise Time Low Frequency Response (-5 %) Non-Linearity	ENGLISH 5 psi 500 mV/psi 100 psi 500 psi 0.07 mpsi ≥40 kHz ≤12 µ sec 0.5 Hz ≤1 % FS	SI 34.45 kPa 72.5 mV/kPa 690 kPa 3448 kPa 0.00048 kPa ≥40 kHz ≤12 µ sec 0.5 Hz ≤1 % 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.) E - Emralon coating Coating Electrical Isolation W - Water Resistant Cable Supplied Accessory: Model 060A11 Delrin clamp nut, 3/4-16-2A thd, 3/4" hex (for Model 106B50) WM - Water Resistant Cable Supplied Accessory: Model 060A13 Metric Delrin clamp nut, M20 x 1.5-6G thd, 20 mm hex (for Model M106B50) Notes [1] Zero-based, least-squares, straight line method. [2] See PCB Declaration of Conformance PS023 for details. [3] Clamp nut installed prior to cable attachment Supplied Accessories 060A11 Delrin clamp nut 3/4-16-2A thd 3/4" hex () 060A13 Metric Delrin clamp nut M20 x 1.5-6g thd 20 mm hex (1) 065A36 Seal, .687" OD x .625" ID x .060", Derlin (3)										
Environmental Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤0.002 psi/g -65 to +250 °F ≤0.03 %/°F 3000 °F 500 g pk 1000 g pk	≤0.0014 kPa/(m/s ²) -54 to +121 °C ≤0.054 %/°C 1649 °C 4903 m/s ² pk 9807 m/s ² pk	[1]										
Electrical Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥1 sec 11 to 30 VDC 2 to 20 mA ≤100 Ohm 3 to 8 VDC	Positive ≥1 sec 11 to 30 VDC 2 to 20 mA ≤100 Ohm 3 to 8 VDC											
Physical Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Quartz 17-4 Stainless Steel Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack 1.13 oz	Quartz 17-4 Stainless Steel Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack 32 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: RWM</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 10/17/2008</td> <td>Date: 10/02/2008</td> <td>Date: 10/03/2008</td> <td>Date: 10/02/2008</td> <td>106-2500-80</td> </tr> </table>				Entered: BLS	Engineer: NJL	Sales: RWM	Approved: RPF	Spec Number:	Date: 10/17/2008	Date: 10/02/2008	Date: 10/03/2008	Date: 10/02/2008	106-2500-80
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