



Model Number 105C12	ICP® PRESSURE SENSOR		Revision D ECN #: 27023										
Performance Measurement Range (for ±5V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Reflected) Low Frequency Response (-5 %) Non-Linearity	ENGLISH 1 kpsi 5.0 mV/psi 2 kpsi 20 mpsi ≥250 kHz ≤2.0 μ sec 0.5 Hz ≤2.0 % FS	SI 6895 kPa 0.73 mV/kPa 13790 kPa 0.14 kPa ≥250 kHz ≤2.0 μ sec 0.5 Hz ≤2.0 % 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.) 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 Flash Temperature Maximum Shock	≤0.04 psi/g -100 to +250 °F ≤0.09 %/°F 3000 °F 5000 g pk	≤0.028 kPa/(m/s ²) -73 to +121 °C ≤0.162 %/°C 1649 °C 49035 m/s ² pk	Supplied Accessories 018C10 Miniature coaxial cable, vinyl insulation jacket, 10-ft, 5-44 coaxial plug to BNC plug (1) 040A37 Hex nut driver (1) 065A10 Seal ring 0.138" OD x 0.101" ID x 0.022" thk brass (3) 065A38 Seal & Sleeve 0.138" OD x 0.101" ID x 0.105" thk., brass. (3)										
Electrical Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥1.0 sec 22 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	Positive ≥1.0 sec 22 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 Stainless Steel 17-4 Stainless Steel Steel Welded Hermetic 5-44 Coaxial 0.055 oz	Compression Quartz Stainless Steel 17-4 Stainless Steel Welded Hermetic 5-44 Coaxial 1.56 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: RPF</td> <td>Sales: RWM</td> <td>Approved: NJL</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 08/06/2007</td> <td>Date: 08/03/2007</td> <td>Date: 08/03/2007</td> <td>Date: 08/03/2007</td> <td>11321</td> </tr> </table>				Entered: BLS	Engineer: RPF	Sales: RWM	Approved: NJL	Spec Number:	Date: 08/06/2007	Date: 08/03/2007	Date: 08/03/2007	Date: 08/03/2007	11321
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