



Model Number 105C02	ICP® PRESSURE SENSOR		Revision G ECN #: 27023										
Performance Measurement Range (for ±5V output) Sensitivity (-40 to +20 %) Maximum Pressure Resolution Resonant Frequency Rise Time (Reflected) Low Frequency Response (-5 %) Non-Linearity	ENGLISH 100 psi 50 mV/psi 250 psi 5 mpsi ≥250 kHz ≤2.0 μ sec 0.5 Hz ≤2.0 % FS	SI 690 kPa 7.3 mV/kPa 1720 kPa 0.035 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] Due to high sensitivity, the static pressure should be applied and removed very slowly. Rate should prevent more than 10 Volt change in output until Output Bias Voltage returns to normal (approximately 15 times discharge time constant). [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 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											
 [3]													
<p><i>All specifications are at room temperature unless otherwise specified.</i> 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>11240</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	11240		
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