



Model Number 103B12	PRESSURE SENSOR, ICP[®], ACOUSTIC		Revision A ECN #: 20134						
Performance Measurement Range (± 5 V output) Useful Overrange (± 10 V output) Sensitivity (±15 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response (-5 %) Non-Linearity	ENGLISH 10 psi 20 psi 500 mV/psi 250 psi 0.06 mpsi ≥13 kHz ≤25 µ sec 5 Hz ≤2.0 % FS	SI 190.7 dB 196.7 dB 72.5 mV/kPa 1724 kPa 86.3 dB ≥13 kHz ≤25 µ sec 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 Supplied Accessory: Model 060A24 Clamp nut M14 x 1.25-6G thd 11 mm hex 17-4 SS material 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 Flash Temperature Maximum Shock	≤0.0005 psi/g -100 to 250 °F ≤0.2 %/°F 1000 °F 1000 g pk	≤0.0035 kPa/(m/s ²) -73 to 121 °C ≤0.36 %/°C 538 °C 9807 m/s ² pk	Supplied Accessories 060A10 Clamp nut 1/2-20-2A thd 7/16" hex (1) 065A66 Adhesive Mounting Ring (3) 160-0242-00 O-ring .250x.375(2-0100) (3)						
Electrical Output Polarity (Positive Pressure) Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥0.1 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 7 to 13 VDC	Positive ≥0.1 sec 20 to 30 VDC 2 to 20 mA ≤100 Ohm 7 to 13 VDC							
Physical Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Ceramic Stainless Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack 0.11 oz	Ceramic Stainless Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack 3.15 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>									
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