





Model Number 113B22	ICP® PRESSURE SENSOR			Revision: G ECN #: 54949										
Performance Measurement Range(for ±5V output) Useful Overrange(for ± 10V output) Sensitivity(± 10 %) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response(- 5 %) Non-Linearity	ENGLISH 5 kpsi 10 kpsi 1.0 mV/psi 15 kpsi 20 mpsi ≥ 500 kHz ≤ 1.0 μ sec 0.001 Hz ≤ 1.0 % FS	SI 34,475 kPa 68,950 kPa 0.145 mV/kPa 103,425 kPa 0.14 kPa ≥ 500 kHz ≤ 1.0 μ sec 0.001 Hz ≤ 1.0 % FS		OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. CA - Ablative Coating [5] E - Emralon coating [6] Coating Electrical Isolation Emralon 10 ⁸ Ohm Emralon 10 ⁸ Ohm Supplied Accessory: Model 065A08 Isolation ring 0.250" OD x 0.218" ID x 0.027" thk anodized aluminum (3) Supplied Accessory: Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (3) [6][5] J - Ground Isolated Electrical Isolation(50 V) [6] 10 ⁸ Ohm 10 ⁸ Ohm N - Negative Output Polarity [6] S - Stainless Steel Diaphragm Diaphragm [6][7] 316L Stainless Steel 316L Stainless Steel W - Water Resistant Cable [6][7] Supplied Accessory: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) WM - Water Resistant Cable [6][7] Supplied Accessory: Model 060A05 Clamp nut M7 x 0.75-6g thd (1)										
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	0.002 psi/g -100 to +275 °F ≤ 0.03 %/°F 3,000 °F 2,000 g pk 20,000 g pk Positive ≥ 500 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC	0.0014 kPa/(m/s ²) -73 to +135 °C ≤ 0.054 %/°C 1,649 °C 19,600 m/s ² pk 196,000 m/s ² pk Positive ≥ 500 sec 20 to 30 VDC 2 to 20 mA < 100 Ohm 8 to 14 VDC		NOTES: [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Typical. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details. [5] Used with optional mounting adaptor. [6] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories and pressure limitations. [7] Clamp nut installed prior to cable attachment										
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 0.21 oz	Compression Quartz 17-4 Stainless Steel Invar Welded Hermetic 10-32 Coaxial Jack 6.0 gm		SUPPLIED ACCESSORIES: Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) Model 060A05 Clamp nut M7 x 0.75-6g thd (1) Model 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3) Model 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-4 (1) Model PCS-1AZ Sensitivity calibration at 100% and 10% of sensor range										
   [4]	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 Piezotronics, Inc.			<table border="1"> <tr> <td>Entered: ND</td> <td>Engineer: AJA</td> <td>Sales: RWM</td> <td>Approved: RPF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 06/26/2024</td> <td>Date: 06/26/2024</td> <td>Date: 06/26/2024</td> <td>Date: 06/26/2024</td> <td>40643</td> </tr> </table>	Entered: ND	Engineer: AJA	Sales: RWM	Approved: RPF	Spec Number:	Date: 06/26/2024	Date: 06/26/2024	Date: 06/26/2024	Date: 06/26/2024	40643
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