



Model Number 113B24	ICP® PRESSURE SENSOR		Revision: C ECN #: 40791		
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 1 kpsi 2 kpsi 5.0 mV/psi 10 kpsi 5 mpsi ≥ 500 kHz ≤ 1.0 µ sec 0.005 Hz ≤ 1.0 % FS	SI 6895 kPa 13,790 kPa 0.725 mV/kPa 68,950 kPa 0.035 kPa ≥ 500 kHz ≤ 1.0 µ sec 0.005 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. E - Emralon coating [5][6] Coating Emralon Emralon Electrical Isolation 10 ⁸ Ohm 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)		
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Vibration Maximum Shock	≤ 0.002 psi/g -100 to +275 °F ≤ 0.03 %/°F 3000 °F 2000 g pk 20,000 g pk	≤ 0.0014 kPa/(m/s ²) -73 to +135 °C ≤ 0.054 %/°C 1649 °C 19,614 m/s ² pk 196,140 m/s ² pk	H - Hermetic Seal [6] Sealing Welded Hermetic Welded Hermetic J - Ground Isolated [6][7] N - Negative Output Polarity [6] S - Stainless Steel Diaphragm [6] Diaphragm 316L Stainless Steel 316L Stainless Steel		
Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	Positive ≥ 100 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	Positive ≥ 100 sec 20 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	W - Water Resistant Cable [5][6] Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1) WM - Water Resistant Cable [5][6] Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1)		
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight(with clamp nut)	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	NOTES: [1] Typical. [2] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details. [5] Clamp nut installed prior to cable attachment [6] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories. [7] Used with optional mounting adaptor.		
 [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 Group, Inc.			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)		
Entered: AP		Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:
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