



Model Number 113B26	ICP® PRESSURE SENSOR			Revision: C ECN #: 40791										
Performance	ENGLISH	SI		OPTIONAL VERSIONS										
Measurement Range(for ±5V output)	500 psi	3450 kPa		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Useful Overrange(for ± 10V output)	1 kpsi	6895 kPa	[2]											
Sensitivity(± 10 %)	10 mV/psi	1.45 mV/kPa												
Maximum Pressure	10 kpsi	68,950 kPa												
Resolution	2 mpsi	0.014 kPa	[1]											
Resonant Frequency	≥ 500 kHz	≥ 500 kHz												
Rise Time	≤ 1.0 μ sec	≤ 1.0 μ sec												
Low Frequency Response(-5 %)	0.01 Hz	0.01 Hz												
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[3]											
Environmental														
Acceleration Sensitivity	≤ 0.002 psi/g	≤ 0.0014 kPa/(m/s ²)												
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C												
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C	[1]											
Maximum Flash Temperature	3000 °F	1649 °C												
Maximum Vibration	2000 g pk	19,614 m/s ² pk												
Maximum Shock	20,000 g pk	196,140 m/s ² pk												
Electrical														
Output Polarity(Positive Pressure)	Positive	Positive												
Discharge Time Constant(at room temp)	≥ 50 sec	≥ 50 sec												
Excitation Voltage	20 to 30 VDC	20 to 30 VDC												
Constant Current Excitation	2 to 20 mA	2 to 20 mA												
Output Impedance	<100 Ohm	<100 Ohm												
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC												
Physical														
Sensing Geometry	Compression	Compression												
Sensing Element	Quartz	Quartz												
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel												
Diaphragm	Invar	Invar												
Sealing	Welded Hermetic	Welded Hermetic												
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack												
Weight(with clamp nut)	0.20 oz	6.0 gm												
				E - Emralon coating [5] 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", Torton or Vespel (3)										
				H - Hermetic Seal [5] Sealing Welded Hermetic Welded Hermetic										
				J - Ground Isolated [5][6]										
				N - Negative Output Polarity [5]										
				S - Stainless Steel Diaphragm [5] Diaphragm 316L Stainless Steel 316L Stainless Steel										
				W - Water Resistant Cable [7][5] Supplied Accessory : Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)										
				WM - Water Resistant Cable [7][5] Supplied Accessory : Model 060A05 Clamp nut M7 x 0.75-6g thd (1)										
				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] For sensor mounted in thread adaptor, see adaptor installation drawing for supplied accessories. [6] Used with optional mounting adaptor. [7] Clamp nut installed prior to cable attachment										
				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)										
				<table border="1" style="width: 100%;"> <tr> <td>Entered: AP</td> <td>Engineer: MJK</td> <td>Sales: KWW</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td>Date: 3/19/2013</td> <td style="text-align: center;">40649</td> </tr> </table>	Entered: AP	Engineer: MJK	Sales: KWW	Approved: BAM	Spec Number:	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	Date: 3/19/2013	40649
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				[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.										
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