

Model Number 132B38	ICP® PRESSURE SENSOR	Revision: B ECN #: 47252
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range	50 psi	345 kPa	
Sensitivity(± 30 %)	140 mV/psi	20.3 mV/kPa	
Maximum Pressure(Dynamic)	800 psi	5516 kPa	
Resolution	1 mpsi	0.007 kPa	[2]
Rise Time(Incident)	≤ 3 μ sec	≤ 3 μ sec	[3]
Rise Time(Reflected)	≤ 1 μ sec	≤ 1 μ sec	
Low Frequency Response(-5 %)	11 kHz	11 kHz	
High Frequency Response	1 MHz	1 MHz	[4][2]
Environmental			
Temperature Range(Operating)	-13 to +175 °F	-25 to +79 °C	
Electrical			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ .000045 sec	≥ .000045 sec	[1]
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 Element	Ceramic	Ceramic	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Epoxy	Epoxy	
Weight	0.45 oz	12.77 gm	[5]
Cable Termination	Pigtail	Pigtail	
Cable Type	030 Coaxial	030 Coaxial	

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.

NOTES:
 [1] Calculated.
 [2] Typical.
 [3] Rise time in air at Mach 1
 [4] High frequency response may be limited by supply current and output cable length.
 [5] Typical; with cable.
 [6] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 070B09 Solder adaptor (1)

Entered: LK	Engineer: RB	Sales: RWM	Approved: BAM	Spec Number:
Date: 10/5/2017	Date: 10/5/2017	Date: 10/5/2017	Date: 10/5/2017	66470



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.
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