

Model Number 132A37	ICP® PRESSURE SENSOR	Revision: K ECN #: 49341
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Performance	ENGLISH	SI	
Measurement Range	50 psi	345 kPa	
Sensitivity(± 30 %)	140 mV/psi	20.3 mV/kPa	
Maximum Pressure(step)	800 psi	5515 kPa	
Resolution	1 mpsi	0.007 kPa	
Resonant Frequency	≥ 1000 kHz	≥ 1000 kHz	
Rise Time(Incident)	≤ 3 μ sec	≤ 3 μ sec	[1]
Rise Time(Reflected)	≤ 0.5 μ sec	≤ 0.5 μ sec	[2]
Low Frequency Response(-5 %)	11 kHz	11 kHz	

Environmental
Temperature Range(Operating) -13 to +175 °F -25 to +79 °C

Electrical	Positive	Positive	
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant(at room temp)	≥ .000045 sec	≥ .000045 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	Ceramic	Ceramic	
Sensing Element	Ceramic	Ceramic	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Epoxy	Epoxy	
Electrical Connector	pigtail ends	pigtail ends	
Weight	0.056 oz	1.59 gm	

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.

M - Metric Mount

W - Water Resistant Cable

NOTES:
 [1] Rise time in air at Mach 1
 [2] Rise time at 20mA
 [3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 070B09 Solder adaptor
 Model 160-0238-00 O-RING 2-006 0.1250 0.2500 0.0625 BUNA (3)

Entered: LK	Engineer: MJK	Sales: KK	Approved: RPF	Spec Number:
Date: 3/29/2019	Date: 3/29/2019	Date: 3/29/2019	Date: 3/29/2019	2970



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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