Model Number 132B38	ICP® PRESSURE SENSOR	Revision: C ECN #: 55416

Performance	ENGLISH	SI	
Measurement Range	50 psi	345 kPa	
Sensitivity(± 30 %)	140 mV/psi	20.3 mV/kPa	
Maximum Pressure(Dynamic)	800 psi	5,516 kPa	
Resolution	0.001 psi	0.007 kPa	[1]
Rise Time(Incident)	≤ 3 µ sec	≤ 3 µ sec	[2]
Rise Time(Reflected)	≤ 1 µ sec	≤ 1 µ sec	
Low Frequency Response(- 5 %)	11,000 Hz	11,000 Hz	
Frequency Response	1,000 kHz	1,000 kHz	
High Frequency Response	1 MHz	1 MHz	[3][1]
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	[4]
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(with cable)	0.45 oz	12.77 gm	[1]
Cable Termination	Pigtail	Pigtail	
Cable Type	030 Coaxial	030 Coaxial	

CE

UK CA [5]

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

SUPPLIED ACCESSORIES:

Model 070B09 Solder adaptor (1)
Model PCS-9AD Shock tube sensitivity response , incident wave

Entered: ND	Engineer: RPF	Sales: MV	Approved: RPF	Spec Number:
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