Model Number 132B38		ICP ®	PRESSURE	SENSOR
Performance	ENGLISH	SI		
Measurement Range	50 psi	345 kPa		Optional versions
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)	≤ 0.5 µ sec	≤ 0.5 µ sec		
Low Frequency Response(- 5 %)	11,000 Hz	11,000 Hz		
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	Ероху	Ероху		
Weight(with cable)	0.45 oz	12.77 gm	[1]	
Cable Termination	Pigtail	Pigtail		

030 Coaxial

030 Coaxial

OPTIONAL VERSIONS

Revision: D

ECN #: 56052

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:

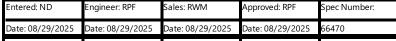
Model 070B09 Solder adaptor (1)

Model PCS-9AD Shock tube sensitivity response, incident wave

CH UK

Cable Type

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^{\circledR} is a registered trademark of PCB Piezotronics, Inc.





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