



Model Number 132B38		ICP® PRESSURE SENSOR			Revision: D ECN #: 56052
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Measurement Range		50 psi	345 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.	
Sensitivity(± 30 %)		140 mV/psi	20.3 mV/kPa		
Maximum Pressure(Dynamic)		800 psi	5,516 kPa		
Resolution		0.001 psi	0.007 kPa		
Rise Time(Incident)		≤ 3 µ sec	≤ 3 µ sec		
Rise Time(Reflected)		≤ 0.5 µ sec	≤ 0.5 µ sec	[1]	
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		
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		
Cable Termination		Pigtail	Pigtail		
Cable Type		030 Coaxial	030 Coaxial		
				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: RWM	Approved: RPF
				Spec Number:	
				Date: 08/29/2025	Date: 08/29/2025
				Date: 08/29/2025	Date: 08/29/2025
				66470	
					
					
				Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
				3425 Walden Avenue, Depew, NY 14043	