

Model Number 105C	ICP® PRESSURE SENSOR				Revision: NR ECN #: 48065
Performance Measurement Range(for ±5V output) Sensitivity(-40 to +20 %) Maximum Pressure(Total) Resolution Resonant Frequency Rise Time(Reflected) Low Frequency Response(-5 %) Non-Linearity		ENGLISH 100 psi 50 mV/psi 7.5 kpsi 5 mpsi ≥ 250 kHz ≤ 2.0 μ sec 0.5 Hz 2.0 % FS		SI 690 kPa 7.3 mV/kPa 51,713 kPa 0.035 kPa ≥ 250 kHz ≤ 2.0 μ sec 0.5 Hz 2.0 % FS	
Environmental Acceleration Sensitivity Temperature Range(Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock		≤ 0.04 psi/g -100 to +250 °F ≤ 0.09 %/°F 3000 °F 5000 g pk		≤ 0.028 kPa/(m/s²) -73 to +121 °C ≤ 0.162 %/°C 1649 °C 49,035 m/s² pk	
Electrical Output Polarity(Positive Pressure) Discharge Time Constant(at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage		Positive >1.0 sec 22 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC		Positive >1.0 sec 22 to 30 VDC 2 to 20 mA <100 Ohm 8 to 14 VDC	
Physical Sensing Geometry Sensing Element Housing Material Diaphragm Sealing Electrical Connector Electrical Connections(Red) Electrical Connections(White) Weight(with cable)		Compression Quartz Stainless Steel 17-4 Stainless Steel Epoxy Integral Twisted Pair Signal / Power Ground .15 oz		Compression Quartz Stainless Steel 17-4 Stainless Steel Epoxy Integral Twisted Pair Signal / Power Ground 0.43 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.					
NOTES: [1] Due to high sensitivity, the static pressure should be applied and removed very slowly. Rate should prevent more than 10 Volt change in output until Output Bias Voltage returns to normal (approximately 15 times discharge time constant). [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.					
SUPPLIED ACCESSORIES: Model 065A10 Seal ring 0.138" OD x 0.101" ID x 0.022" thk brass (3)					
Entered: LK		Engineer: NJL		Sales: RWM	
Date: 3/28/2018		Date: 3/28/2018		Date: 3/28/2018	
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