

ICP® PRESSURE SENSOR

Performance
 Measurement Range(for ±5V output)
 Sensitivity(± 20 %)
 Maximum Pressure(Total)
 Resolution
 Resonant Frequency
 Rise Time(Reflected)
 Low Frequency Response(-5 %)
 Non-Linearity
Environmental
 Acceleration Sensitivity
 Temperature Range(Operating)
 Temperature Coefficient of Sensitivity
Electrical
 Output Polarity(Positive Pressure)
 Discharge Time Constant(at room temp)
 Excitation Voltage
 Constant Current Excitation
 Output Impedance
 Output Bias Voltage
 Electrical Isolation
Physical
 Sensing Geometry
 Sensing Element
 Housing Material
 Diaphragm
 Sealing
 Electrical Connector
 Weight

ENGLISH
 5 kpsi
 1 mV/psi
 7.2 kpsi
 40 mpsi
 ≥ 200 kHz
 ≤ 2.5 μ sec
 0.005 Hz
 ≤ 2 % FS
 ≤ 0.2 psi/g
 -65 to +250 °F
 ≤ 0.08 %/°F
 Positive
 ≥ 100 sec
 20 to 30 VDC
 2 to 20 mA
 ≤ 100 ohm
 8 to 12 VDC
 ≥ 10⁸ ohm
 Compression
 Quartz
 Stainless Steel
 Stainless Steel
 Welded Hermetic
 2-Pin MIL-C-5015
 2.08 oz

SI
 34.473 kPa
 0.145 mV/kPa
 49,642 kPa
 0.276 kPa
 ≥ 200 kHz
 ≤ 2.5 μ sec
 0.005 Hz
 ≤ 2 % FS
 ≤ 0.14 kPa/(m/s²)
 -54 to +121 °C
 ≤ 0.144 %/°C
 Positive
 ≥ 100 sec
 20 to 30 VDC
 2 to 20 mA
 ≤ 100 ohm
 8 to 12 VDC
 ≥ 10⁸ ohm
 Compression
 Quartz
 Stainless Steel
 Stainless Steel
 Welded Hermetic
 2-Pin MIL-C-5015
 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
 Maximum Pressure(Total) 10 kpsi 68,947
 Supplied Accessory : Model 065A15 Seal, .624" OD x .553" ID x .080", brass (3)

NOTES:
 [1] Zero-based, least-squares, straight line method.
 [2] See PCB Declaration of Conformance PS023 for details.

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[2]
 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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