

| | ENGLISH | SI | |
|--|--------------------|-------------------------------|-----|
| Performance | | | |
| Measurement Range(for ± 4.5V output) | 30,000 psi | 207,000 kPa | |
| Sensitivity(± 15 %) | 0.15 mV/psi | 0.022 mV/kPa | |
| Maximum Pressure | 50,000 psi | 345,000 kPa | |
| Resolution | 500 mpsi | 3.5 kPa | [1] |
| Resonant Frequency | ≥ 250 kHz | ≥ 250 kHz | |
| Rise Time(Reflected) | ≤ 2 μ sec | ≤ 2 μ sec | |
| Low Frequency Response(- 5 %) | 0.002 Hz | 0.002 Hz | |
| Non-Linearity | ≤ 2 % FS | ≤ 2 % FS | [2] |
| Environmental | | | |
| Acceleration Sensitivity | 0.05 psi/g | 0.035 kPa/(m/s ²) | [1] |
| Temperature Range(Operating) | -100 to +275 °F | -73 to +135 °C | |
| Temperature Coefficient of Sensitivity | ≤ 0.10 %/°F | ≤ 0.18 %/°C | |
| Maximum Vibration | 2,000 g pk | 19,600 m/s ² pk | |
| Maximum Shock | 20,000 g pk | 196,000 m/s ² pk | |
| Electrical | | | |
| Output Polarity(Positive Pressure) | Positive | Positive | |
| Discharge Time Constant(at room temp) | ≥ 250 sec | ≥ 250 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 Geometry | Compression | Compression | |
| Sensing Element | Quartz | Quartz | |
| Housing Material | C-300 | C-300 | |
| Diaphragm | C-300 | C-300 | |
| Sealing | Welded Hermetic | Welded Hermetic | |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | |
| Weight | 0.48 oz | 13.6 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

N - Negative Output Polarity

W - Water Resistant Cable

NOTES:

[1]Typical.

[2]Zero-based, least-squares, straight line method.

[3]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)

Model PCS-2 Calibration of dynamic pressure sensors to full scale measurement range up to100k psi

| | | | | |
|------------------|------------------|------------------|------------------|--------------|
| Entered: ND | Engineer: RPF | Sales: MV | Approved: RPF | Spec Number: |
| Date: 08/27/2024 | Date: 08/27/2024 | Date: 08/27/2024 | Date: 08/27/2024 | 28544 |



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® is a registered trademark of PCB Piezotronics, Inc.

Phone: 716-684-0001
 Fax: 716-684-0987
 E-Mail: info@pcb.com

3425 Walden Avenue, Depew, NY 14043