

| Performance                            | ENGLISH                | SI                              |     |
|--|------------------------|---------------------------------|-----|
| Sensitivity(± 15 %)                    | 6 pC/psi               | 0.870 pC/kPa                    |     |
| Measurement Range                      | 100 psi                | 690 kPa                         |     |
| Maximum Pressure(static)               | 3,000 psi              | 20,685 kPa                      |     |
| Resonant Frequency                     | ≥ 55 kHz               | ≥ 55 kHz                        |     |
| Rise Time(Reflected)                   | ≤ 9 μ sec              | ≤ 9 μ sec                       |     |
| Non-Linearity                          | ≤ 1 % FS               | ≤ 1 % FS                        | [1] |
| <b>Environmental</b>                   |                        |                                 |     |
| Acceleration Sensitivity               | ≤ .004 psi/g           | ≤ .0028 kPa/(m/s <sup>2</sup> ) |     |
| Temperature Range(Operating)           | -400 to 650 °F         | -240 to 345 °C                  |     |
| Temperature Coefficient of Sensitivity | ≤ .04 %/°F             | ≤ .072 %/°C                     |     |
| Maximum Flash Temperature              | 3,000 °F               | 1,649 °C                        |     |
| Maximum Shock                          | 2,000 g pk             | 19,620 m/s <sup>2</sup> pk      |     |
| <b>Electrical</b>                      |                        |                                 |     |
| Capacitance                            | 30 pF                  | 30 pF                           | [2] |
| Insulation Resistance(at 650°F[345°C]) | > 10 <sup>9</sup> Ohm  | > 10 <sup>9</sup> Ohm           |     |
| Insulation Resistance(at room temp)    | > 10 <sup>11</sup> Ohm | > 10 <sup>11</sup> Ohm          |     |
| <b>Physical</b>                        |                        |                                 |     |
| Sensing Element                        | Quartz                 | Quartz                          |     |
| Housing Material                       | 316L Stainless Steel   | 316L Stainless Steel            |     |
| Diaphragm                              | 316L Stainless Steel   | 316L Stainless Steel            |     |
| Sealing                                | Welded Hermetic        | Welded Hermetic                 |     |
| Electrical Connector                   | 10-32 Coaxial Jack     | 10-32 Coaxial Jack              |     |
| Weight                                 | .717 oz                | 20.3 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.

|                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| <b>E</b> - Emralon coating |                            |                            |
| Electrical Isolation       | (Case) 10 <sup>8</sup> Ohm | (Case) 10 <sup>8</sup> Ohm |
| Coating                    | Emralon                    | Emralon                    |
| Temperature Range          | -65 to 275 °F              | -54 to 135 °C              |

**P** - Positive Output Polarity

**NOTES:**

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

[2]Typical.

**SUPPLIED ACCESSORIES:**

Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex

Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)

Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass (3)

Model PCS-17 Frequency response of 106B and 116B series from 20 Hz to 50 kHz.

Model PCS-3 Calibration of high-temperature Models 112A04 and 112A05, Series 112B and Series 116B

|                  |                  |                  |                  |              |
|------------------|------------------|------------------|------------------|--------------|
| Entered: ND      | Engineer: MP     | Sales: RWM       | Approved: AJA    | Spec Number: |
| Date: 07/18/2022 | Date: 07/18/2022 | Date: 07/18/2022 | Date: 07/18/2022 | 116-2010-80  |

**Phone: 716-684-0001**

**Fax: 716-684-0987**

**E-Mail: info@pcb.com**

3425 Walden Avenue, Depew, NY 14043



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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