

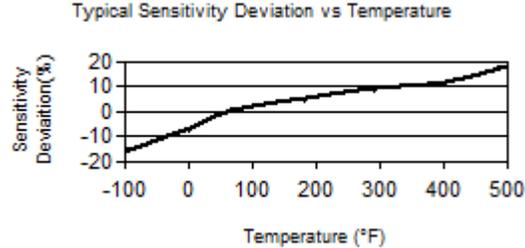
| <b>Performance</b>                           | <u>ENGLISH</u>         | <u>SI</u>                    |     |
|--|------------------------|------------------------------|-----|
| Sensitivity(± 15 %)                          | 30 pC/g                | 3.1 pC/(m/s <sup>2</sup> )   |     |
| Measurement Range                            | ± 1500 g pk            | ± 14,700 m/s <sup>2</sup> pk |     |
| Frequency Range(+5 %)                        | 6 kHz                  | 6 kHz                        | [2] |
| Frequency Range(+10 %)                       | 7.5 kHz                | 7.5 kHz                      | [2] |
| Frequency Range(+3 dB)                       | 8.5 kHz                | 8.5 kHz                      | [2] |
| Resonant Frequency                           | ≥ 23 kHz               | ≥ 23 kHz                     |     |
| Non-Linearity(600 g, 5890 m/s <sup>2</sup> ) | ≤ 1 %                  | ≤ 1 %                        | [3] |
| Non-Linearity                                | ≤ 3 %                  | ≤ 3 %                        | [3] |
| Transverse Sensitivity                       | ≤ 5 %                  | ≤ 5 %                        |     |
| <b>Environmental</b>                         |                        |                              |     |
| Overload Limit(Shock)                        | ± 6000 g pk            | ± 58,860 m/s <sup>2</sup> pk |     |
| Temperature Range                            | -95 to +500 °F         | -71 to +260 °C               |     |
| Temperature Response                         | See Graph              | See Graph                    | [1] |
| Base Strain Sensitivity                      | 0.0006 g/με            | 0.006 (m/s <sup>2</sup> )/με | [1] |
| <b>Electrical</b>                            |                        |                              |     |
| Capacitance                                  | 930 pF                 | 930 pF                       | [1] |
| Insulation Resistance(at 500°F)              | ≥ 10 <sup>8</sup> Ohm  | ≥ 10 <sup>8</sup> Ohm        | [1] |
| Insulation Resistance(at 70° F [21°C])       | ≥ 10 <sup>12</sup> Ohm | ≥ 10 <sup>12</sup> Ohm       |     |
| Output Polarity                              | Negative               | Negative                     |     |
| <b>Physical</b>                              |                        |                              |     |
| Sensing Element                              | Ceramic                | Ceramic                      |     |
| Sensing Geometry                             | Shear                  | Shear                        |     |
| Housing Material                             | Titanium               | Titanium                     |     |
| Sealing                                      | Hermetic               | Hermetic                     |     |
| Size (Hex x Height)                          | 5/8 in x 0.85 in       | 5/8 in x 21.6 mm             |     |
| Weight                                       | 0.73 oz                | 21 gm                        | [1] |
| Electrical Connector                         | 10-32 Coaxial Jack     | 10-32 Coaxial Jack           |     |
| Electrical Connection Position               | Side                   | Side                         |     |
| Mounting Thread                              | 10-32 Female           | 10-32 Female                 |     |

| <b>OPTIONAL VERSIONS</b>   |                       |                       |
|--|-----------------------|-----------------------|
| 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>J - Ground Isolated</b>   |                       |                       |
| Frequency Range(+5 %)  | 4 kHz                 | 4 kHz                 |
| Frequency Range(+10 %)   | 5 kHz                 | 5 kHz                 |
| Resonant Frequency   | ≥ 17 kHz              | ≥ 17 kHz              |
| Electrical Isolation(Base)   | >10 <sup>8</sup> Ohm  | >10 <sup>8</sup> Ohm  |
| Size - Hex x Height  | 0.625 in x 0.90 in    | 15.9 mm x 22.9 mm     |
| <b>P - Positive Output Polarity</b>  |                       |                       |
| Output Polarity  | Positive              | Positive              |
| <b>W - Water Resistant Cable</b>   |                       |                       |
| Electrical Connector   | Sealed Integral Cable | Sealed Integral Cable |
| Electrical Connection Position   | Side                  | Side                  |

**NOTES:**  
 [1] Typical.  
 [2] Low frequency response is determined by external signal conditioning electronics.  
 [3] Zero-based, least-squares, straight line method.  
 [4] See PCB Declaration of Conformance PS081 for details.

**SUPPLIED ACCESSORIES:**  
 Model 080A109 Petro Wax (1)  
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)  
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)  
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

|                |                |                |                |                    |
|----------------|----------------|----------------|----------------|--------------------|
| Entered: LK    | Engineer: BAM  | Sales: WDC     | Approved: BAM  | Spec Number:       |
| Date: 8/8/2017 | Date: 8/8/2017 | Date: 8/8/2017 | Date: 8/8/2017 | <b>357-2210-80</b> |



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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