

|   | <u>ENGLISH</u>         | <u>SI</u>                    |     |
|---|------------------------|------------------------------|-----|
| <b>Performance</b>                                |                        |                              |     |
| Sensitivity(± 5 %)                                | 50 pC/g                | 5.1 pC/(m/s <sup>2</sup> )   |     |
| Measurement Range                                 | ± 500 g pk             | ± 4905 m/s <sup>2</sup> pk   |     |
| Frequency Range(± 5 %)                            | 2.5 kHz                | 2.5 kHz                      | [2] |
| Resonant Frequency                                | ≥ 13 kHz               | ≥ 13 kHz                     |     |
| Non-Linearity                                     | ≤ 1 %                  | ≤ 1 %                        | [3] |
| Transverse Sensitivity                            | ≤ 5 %                  | ≤ 5 %                        | [4] |
| <b>Environmental</b>                              |                        |                              |     |
| Overload Limit(Shock)                             | ± 2000 g pk            | ± 19,620 m/s <sup>2</sup> pk |     |
| Temperature Range                                 | -65 to +900 °F         | -54 to +482 °C               |     |
| Temperature Response                              | See Graph              | See Graph                    | [1] |
| Temperature Response                              | See Graph              | See Graph                    |     |
| Temperature Response                              | See Graph              | See Graph                    |     |
| Base Strain Sensitivity                           | 0.033 g/με             | 0.32 (m/s <sup>2</sup> )/με  | [1] |
| Radiation Exposure Limit(Integrated Neutron Flux) | 1E10 N/cm <sup>2</sup> | 1E10 N/cm <sup>2</sup>       |     |
| Radiation Exposure Limit(Integrated Gamma Flux)   | 1 E8 rad               | 1 E8 rad                     |     |
| <b>Electrical</b>                                 |                        |                              |     |
| Capacitance(Pin to Pin)                           | 990 pF                 | 990 pF                       | [1] |
| Capacitance(Pin to Case)                          | 26 pF                  | 26 pF                        | [1] |
| Capacitance(Unbalance Between Pins)               | ≤ 2 pF                 | ≤ 2 pF                       |     |
| Insulation Resistance(Pin to Pin 70°F)            | >10 <sup>8</sup> Ohm   | >10 <sup>8</sup> Ohm         | [1] |
| Insulation Resistance(Pin to Pin 70°F)            | >10 <sup>8</sup> Ohm   | >10 <sup>8</sup> Ohm         |     |
| Insulation Resistance(Pin to Pin 900°F)           | >100 kohm              | >100 kohm                    |     |
| <b>Physical</b>                                   |                        |                              |     |
| Sensing Element                                   | Ceramic                | Ceramic                      |     |
| Sealing   | Hermetic               | Hermetic                     |     |
| Size (Height x Diameter)                          | 1.40 in x 0.75 in      | 35.6 mm x 19 mm              | [1] |
| Weight  | 3.15 oz                | 90 gm                        |     |
| Electrical Connector                              | 7/16-27 2-Pin          | 7/16-27 2-Pin                |     |
| Electrical Connection Position                    | Side                   | Side                         |     |
| Mounting  | Through Holes (3)      | Through Holes (3)            |     |

**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.

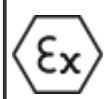
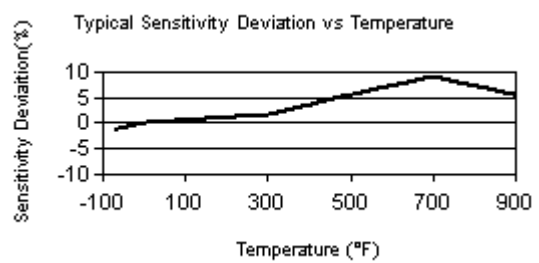
EX - Hazardous Area Approval- contact factory for specific approvals

**NOTES:**

[1]Typical.  
 [2]Low frequency response is determined by external signal conditioning electronics.  
 [3]Zero-based, least-squares, straight line method.  
 [4]Transverse sensitivity is typically ≤ 3%.  
 [5]See PCB Declaration of Conformance PS081 for details.

**SUPPLIED ACCESSORIES:**

Model 081A99 Cap Screw (3)  
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).



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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|                |                |                |                |              |
|----------------|----------------|----------------|----------------|--------------|
| Entered: JM    | Engineer: gs   | Sales: EGY     | Approved: BAM  | Spec Number: |
| Date: 9/3/2015 | Date: 9/3/2015 | Date: 9/3/2015 | Date: 9/3/2015 | 33014        |

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