

| | <u>ENGLISH</u> | <u>SI</u> | |
|--|-----------------------------|-----------------------------------|--------|
| Performance | | | |
| Sensitivity(± 10 %) | 10 mV/g | 1.02 mV/(m/s ²) | |
| Measurement Range | ± 200 g pk | ± 1960 m/s ² pk | |
| Frequency Range(± 5 %) | 0 to 850 Hz | 0 to 850 Hz | |
| Frequency Range(± 10 %) | 0 to 1250 Hz | 0 to 1250 Hz | |
| Resonant Frequency | ≥ 11 kHz | ≥ 11 kHz | |
| Phase Response(100 Hz) | <10 ° | <10 ° | |
| Broadband Resolution(0.5 to 100 Hz) | 21.1 mg rms | .21 m/s ² rms | [2] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [5] |
| Transverse Sensitivity | ≤ 3 % | ≤ 3 % | |
| Environmental | | | |
| Overload Limit(Shock) | ± 3000 g pk | ± 29,420 m/s ² pk | |
| Temperature Range(Operating) | -65 to +250 °F | -54.0 to +121 °C | |
| Temperature Range(Storage) | -65 to +250 °F | -54.0 to +121 °C | |
| Temperature Coefficient of Sensitivity | ± 3 % | ± 3 % | [3] |
| Zero g Offset Temperature Coefficient | ± 2 %FSO | ± 2 %FSO | [3][4] |
| Base Strain Sensitivity | .0005 g/με | .005 (m/s ²)/με | [2] |
| Magnetic Sensitivity | 70 μg/gauss | 6.9 (m/s ²)/Tesla | [2] |
| Electrical | | | |
| Excitation Voltage | 6 to 30 VDC | 6 to 30 VDC | |
| Current Consumption | ≤ 6 mA | ≤ 6 mA | |
| Output Impedance | ≤ 100 Ohm | ≤ 100 Ohm | |
| Offset Voltage(0 g) | -40 to + 40 mVDC | -40 to + 40 mVDC | [1] |
| Spectral Noise(1 to 1000 Hz) | 2518 μg/√Hz | 24,693 (μm/sec ²)/√Hz | [2] |
| Electrical Isolation(Case) | >10 ⁸ Ohm | >10 ⁸ Ohm | |
| Physical | | | |
| Housing Material | Titanium | Titanium | |
| Sealing | Hermetic | Hermetic | |
| Size (Height x Length x Width) | 0.45 in x 0.85 in x 0.85 in | 11.4 mm x 21.6 mm x 21.6 mm | |
| Weight | 0.58 oz | 16.3 gm | |
| Electrical Connector | 4-Pin | 4-Pin | |
| Electrical Connection Position | Side | Side | |
| Mounting | Through Hole | Through Hole | |

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.

NOTES:

[1] Offset tolerance is based on 10 ft of 010 test cable.
 [2] Typical.
 [3] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C)
 [4] FSO = Full Scale Output over the Measurement Range (4VDC).
 [5] Zero-based, least-squares, straight line method.
 [6] See PCB Declaration of Conformance PS027 for details.

SUPPLIED ACCESSORIES:

Model 080A152 Easy Mount Clip (1)
 Model 081A113 Mounting screw assembly (2)
 Model ACS-103 Phase and Amplitude Calibration from 2 Hz to +5% of frequency range (1)
 Model M081A113 Mounting screw assembly (2)

| | | | | |
|-----------------|-----------------|-----------------|-----------------|--------------|
| Entered: AP | Engineer: RPF | Sales: RWM | Approved: BAM | Spec Number: |
| Date: 7/31/2012 | Date: 7/31/2012 | Date: 7/31/2012 | Date: 7/31/2012 | 45105 |



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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