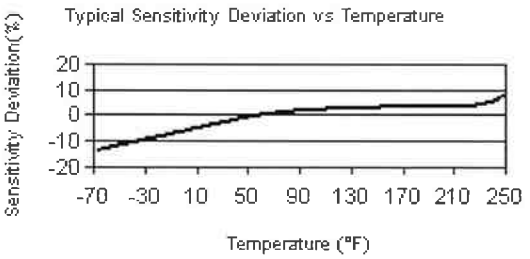
| Model Number | ICP® ACCELEROMETER | Revision: C |
|---|---|---|
| 352B | | ECN #: 26574 |

| Performance | ENGLISH | SI | |
|---|---|---|---|
| Sensitivity(± 5 %) | 1000 mV/g | 102 mV/(m/s²) | |
| Measurement Range | ± 5 g pk | ± 49.1 m/s² pk | |
| Frequency Range(± 5 %) | 2 to 10,000 Hz | 2 to 10,000 Hz | |
| Frequency Range(± 10 %) | 1 to 15,000 Hz | 1 to 15,000 Hz | |
| Resonant Frequency | ≥ 25 kHz | ≥ 25 kHz | |
| Broadband Resolution(1 to 10,000 Hz) | 0.00008 g rms | 0.0008 m/s² rms | [1] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [2] |
| Transverse Sensitivity | ≤ 5 % | ≤ 5 % | |
| **Environmental** | | | |
| Overload Limit | ± 1000 g pk | ± 9810 m/s² pk | |
| Temperature Range | -65 to +200 °F | -54 to +93 °C | |
| Temperature Response | See Graph | See Graph | [1] |
| Base Strain Sensitivity | 0.001 g/με | 0.01 (m/s²)/με | [1] |
| **Electrical** | | | |
| Excitation Voltage | 20 to 30 VDC | 20 to 30 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | ≤ 500 ohm | ≤ 500 ohm | |
| Output Bias Voltage | 8 to 14 VDC | 8 to 14 VDC | |
| Discharge Time Constant | 0.1 to 0.6 sec | 0.1 to 0.6 sec | |
| Spectral Noise(1 Hz) | 15 μg/√Hz | 147 (μm/s²)/√Hz | [1] |
| Spectral Noise(10 Hz) | 5 μg/√Hz | 49 (μm/s²)/√Hz | [1] |
| Spectral Noise(100 Hz) | 2 μg/√Hz | 19.6 (μm/s²)/√Hz | [1] |
| Spectral Noise(1 kHz) | 1 μg/√Hz | 9.8 (μm/s²)/√Hz | [1] |
| **Physical** | | | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Welded Hermetic | Welded Hermetic | |
| Weight | 0.9 oz | 25 gm | [1] |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | |
| Electrical Connection Position | Top | Top | |
| Mounting Thread | 10-32 Female | 10-32 Female | |
| Mounting Torque | 10 to 20 in-lb | 113 to 226 N-cm | |

CE [3]




*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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## 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.

| **J** - Ground Isolated | | |
|---|---|---|
| Resonant Frequency | ≥ 21 kHz | ≥ 21 kHz |
| Electrical Isolation(Base) | >$10^8$ ohm | >$10^8$ ohm |
| Size - Hex x Height | 0.75 in x 1.15 in | 19.1 mm x 29.2 mm |

**T** - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4
**TLA** - TEDS LMS International - Free Format
**TLB** - TEDS LMS International - Automotive Format
**TLC** - TEDS LMS International - Aeronautical Format
**TLD** - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4

| | | |
|---|---|---|
| Temperature Range(Memory Access) | -10 to +200 °F | -23 to +93 °C |
| Output Bias Voltage | 7.5 to 13 VDC | 7.5 to 13 VDC |

| **W** - Water Resistant Cable | | |
|---|---|---|
| Electrical Connector | Sealed Integral Cable | Sealed Integral Cable |
| Electrical Connection Position | Top | Top |

## NOTES:

[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] See PCB Declaration of Conformance PS023 for details.

## SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)
Model 080A12 Adhesive Mounting Base (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: BLS | Engineer: DORI | Sales: | Approved: | Spec Number: |
|---|---|---|---|---|
| Date: 6-1-07 | Date: 6/4/7 | Date: 6/11/7 | Date: 6/12/07 | 18862 |


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