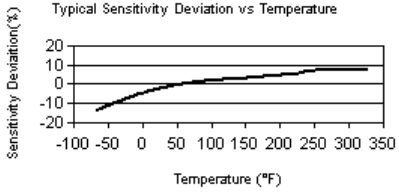
| Model Number **356A26** | **ACCELEROMETER, ICP®, TRIAXIAL** | Revision H ECN #: 32945 |
|---|---|---|

| **Performance** | **ENGLISH** | **SI** | |
|---|---|---|---|
| Sensitivity (±10 %) | 50 mV/g | 5.1 mV/(m/s²) | |
| Measurement Range | ±100 g pk | ±981 m/s² pk | |
| Frequency Range (±5 %) | 1 to 5000 Hz | 1 to 5000 Hz | |
| Frequency Range (±10 %) | 0.7 to 6500 Hz | 0.7 to 6500 Hz | |
| Resonant Frequency | ≥25 kHz | ≥25 kHz | |
| Broadband Resolution (1 to 10000 Hz) | 0.0002 g rms | 0.002 m/s² rms | [1] |
| Non-Linearity | ≤1 % | ≤1 % | [4] |
| Transverse Sensitivity | ≤5 % | ≤5 % | |
| **Environmental** | | | |
| Overload Limit (Shock) | ±7000 g pk | ±68600 m/s² pk | |
| Temperature Range (Operating) | -65 to +250 °F | -54 to +121 °C | [3] |
| Base Strain Sensitivity | 0.001 g/με | 0.01 (m/s²)/με | [1] |
| **Electrical** | | | |
| Excitation Voltage | 24 to 30 VDC | 24 to 30 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | ≤100 Ohm | ≤100 Ohm | |
| Output Bias Voltage | 8 to 12 VDC | 8 to 12 VDC | |
| Discharge Time Constant | 0.4 to 1.0 sec | 0.4 to 1.0 sec | |
| Settling Time (within 10% of bias) | <3 sec | <3 sec | |
| Spectral Noise (1 Hz) | 75 µg/√Hz | 736 (µm/sec²/√Hz | [1] |
| Spectral Noise (10 Hz) | 15 µg/√Hz | 147 (µm/sec²/√Hz | [1] |
| Spectral Noise (100 Hz) | 4 µg/√Hz | 39.2 (µm/sec²/√Hz | [1] |
| Spectral Noise (1 kHz) | 2 µg/√Hz | 19.6 (µm/sec²/√Hz | [1] |
| Spectral Noise (10 kHz) | 1 µg/√Hz | 9.8 (µm/sec²/√Hz | [1] |
| **Physical** | | | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Hermetic | Hermetic | |
| Size (Height x Length x Width) | 0.55 in x 0.80 in x 0.55 in | 14.0 mm x 20.3 mm x 14.0 mm | |
| Weight | 0.37 oz | 10.5 gm | [1] |
| Electrical Connector | 1/4-28 4-Pin | 1/4-28 4-Pin | |
| Electrical Connection Position | Side | Side | |
| Mounting Thread | 10-32 Female | 10-32 Female | |
| Mounting Torque | 10 to 20 in-lb | 113 to 225 N-cm | |

CE[5]




**Optional Versions** (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

| **HT** - High temperature, extends normal operation temperatures | | | |
|---|---|---|---|
| Frequency Range (±5 %) | 6 to 5000 Hz | 6 to 5000 Hz | |
| Frequency Range (±10 %) | 5 to 5000 Hz | 5 to 5000 Hz | |
| Broadband Resolution (1 to 10000 Hz) | 0.0004 g rms | 0.004 µm/sec² rms | |
| Temperature Range (Operating) | -65 to +325 °F | -54 to +163 °C | |
| Output Bias Voltage | 7 to 16 | 7 to 16 | [2] |
| Discharge Time Constant | 0.08 to 0.5 sec | 0.08 to 0.5 sec | |
| Spectral Noise (1 Hz) | 130 µg/√Hz | 1275 (µm/sec²/√Hz | [1] |
| Spectral Noise (10 Hz) | 30 µg/√Hz | 294 (µm/sec²/√Hz | [1] |
| Spectral Noise (100 Hz) | 10 µg/√Hz | 98.1 (µm/sec²/√Hz | [1] |
| Spectral Noise (1 kHz) | 3 µg/√Hz | 29.4 (µm/sec²/√Hz | [1] |
| Spectral Noise (10 kHz) | 2 µg/√Hz | 19.6 (µm/sec²/√Hz | [1] |

**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

| Output Bias Voltage | 8.7 to 13.0 VDC | 8.7 to 13.0 VDC |
|---|---|---|

**Notes**

[1] Typical.
[2] TEDS option adds 1.0 VDC to bias voltage.
[3] 250° F to 325° F data valid with HT option only.
[4] Zero-based, least-squares, straight line method.
[5] See PCB Declaration of Conformance PS023 for details.

**Supplied Accessories**

080A109 Petro Wax (1)
080A12 Adhesive Mounting Base (1)
080A90 Quick Bonding Gel (1)
081B05 Mounting Stud (10-32 to 10-32) (1)
ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

| Entered: LLH | Engineer: BAM | Sales: WDC | Approved: LLH | Spec Number: |
|---|---|---|---|---|
| Date: 05/18/2010 | Date: 05/17/2010 | Date: 05/17/2010 | Date: 05/19/2010 | **14134** |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|---|---|
| *All specifications are at room temperature unless otherwise specified.*<br>In the interest of constant product improvement, we reserve the right to change specifications without notice.<br>ICP® is a registered trademark of PCB group, Inc. | |