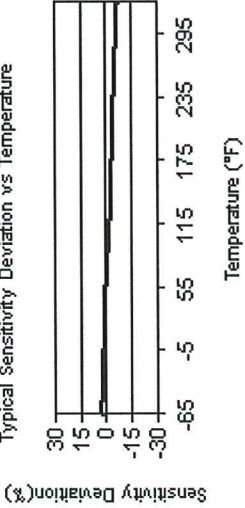


HIGH TEMPERATURE INDUSTRIAL ICP® ACCELEROMETER		Revision: C ECN #: 34836
Model Number HT628F01		
Performance Sensitivity(± 5 %) Measurement Range Frequency Range(± 5 %) (± 10 %) (± 3 dB) Resonant Frequency Broadband Resolution(1 to 10 kHz) Non-Linearity Transverse Sensitivity Environmental Overload Limit(Shock) Temperature Range (Survivable Limit) Temperature Response Enclosure Rating Electrical Settling Time(within 1% of bias) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise(10 Hz) (1 kHz) Electrical Protection Electrical Isolation(Case) Physical Size (Hex x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position	ENGLISH 100 mV/g ± 50 g 144 to 180,000 cpm 102 to 300,000 cpm 48 to 480,000 cpm 1080 kcpm 1 mg ± 1 % ≤ 5 % 1000 g pk -65 to +325 °F +350 °F See Graph IP68 ≤ 3 sec ≥ 0.2 sec 18 to 28 VDC 2 to 10 mA <500 ohm 8 to 12 VDC 50 µg/√Hz 20 µg/√Hz 6 µg/√Hz RFI/ESD >10 ⁸ ohm 7/8 in x 2.06 in 3.2 oz 1/4-28 UNF 2 to 5 ft-lb Quartz Shear Stainless Steel Welded Hermetic MIL-C-5015 Top	SI 10.2 mV/(m/s ²) ± 490 m/s ² 2.4 to 3000 Hz 1.7 to 5000 Hz 0.8 to 8000 Hz 18 kHz 9.8 mm/s ² ± 1 % ≤ 5 % 981 m/s ² pk -54 to +162 °C +176 °C See Graph IP68 ≤ 3 sec ≥ 0.2 sec 18 to 28 VDC 2 to 10 mA <500 ohm 8 to 12 VDC 491 (µm/sec ²)/√Hz 196 (µm/sec ²)/√Hz 59 (µm/sec ²)/√Hz RFI/ESD >10 ⁸ ohm 22.2 mm x 52.3 mm 91 gm No Metric Equivalent 2.7 to 6.8 N-m Quartz Shear Stainless Steel Welded Hermetic MIL-C-5015 Top
Typical Sensitivity Deviation vs Temperature 		
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. M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A40		
NOTES: [1] Constant current should be reduced to ≤6 mA when operating sensor above 250°F. [2] Typical. [3] Not recommended for use with magnetic mounting base. [4] Conversion Factor 1g = 9.81 m/s ² [5] The high frequency tolerance is accurate within ±10% of the specified frequency. [6] Zero-based, least-squares, straight line method. [7] 1/4-28 has no equivalent in S.I. units. [8] See PCB Declaration of Conformance PS023 for details.		
SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud (1) Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency		
Entered: JH Date: 1-21-11	Engineer: JH Date: 1-11-11	Sales: Ely Date: 1-17-11
Approved: Ely Date: 1-18-11	Spec Number: 11448	
 IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com		

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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