
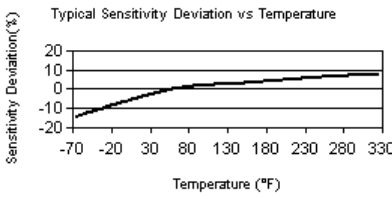


Model Number 352C03	ACCELEROMETER, ICP®		Revision E ECN #: 25274									
Performance Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 10 mV/g ±500 g pk 0.5 to 10000 Hz 0.3 to 15000 Hz ≥50 kHz 0.0005 g rms ≤1 % ≤5 %	SI 1.02 mV/(m/s²) ±4900 m/s² pk 0.5 to 10000 Hz 0.3 to 15000 Hz ≥50 kHz 0.005 m/s² rms ≤1 % ≤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 [5] Frequency Range (±5 %) 5 to 10000 Hz 5 to 10000 Hz Frequency Range (±10 %) 3 to 15000 Hz 3 to 15000 Hz Temperature Range (Operating) -65 to +325 °F -54 to +163 °C Excitation Voltage 22 to 30 VDC 22 to 30 VDC Discharge Time Constant 0.1 to 0.3 sec 0.1 to 0.3 sec Spectral Noise (1 Hz) 200 µg/√Hz 1962 (µm/sec²)/√Hz [1] Spectral Noise (10 Hz) 30 µg/√Hz 294 (µm/sec²)/√Hz [1] Output Bias Voltage 10 to 15 VDC 10 to 15 VDC [2] Supplied Accessory: Model ACS-68 Single Axis Amplitude Response Calibration from 5 Hz to upper 5% plotted on dB scale replaces Model ACS-1									
Environmental Overload Limit (Shock) Temperature Range (Operating) Temperature Response Base Strain Sensitivity	±5000 g pk -65 to +250 °F See Graph 0.003 g/µε	±49000 m/s² pk -54 to +121 °C See Graph 0.029 (m/s²)/µε	[1][5] [1]									
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz)	18 to 30 VDC 2 to 20 mA ≤100 ohm 7 to 12 VDC 1.0 to 2.5 sec <10 sec 110 µg/√Hz 25 µg/√Hz 8 µg/√Hz 4 µg/√Hz	18 to 30 VDC 2 to 20 mA ≤100 ohm 7 to 12 VDC 1.0 to 2.5 sec <10 sec 1080 (µm/sec²)/√Hz 245 (µm/sec²)/√Hz 78 (µm/sec²)/√Hz 39 (µm/sec²)/√Hz	J - Ground Isolated Frequency Range (5 %) 9000 Hz 9000 Hz Frequency Range (10 %) 14000 Hz 14000 Hz Resonant Frequency ≥40 kHz ≥40 kHz Electrical Isolation (Base) >10⁸ ohm >10⁸ ohm Size (Hex x Height) 0.44 in x 0.67 in 11.2 mm x 17.0 mm Weight 0.21 oz 6.0 gm 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 Temperature Range (Memory Access) -10 to +250 °F -23 to +121 °C Excitation Voltage 20 to 30 VDC 20 to 30 VDC Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 W - Water Resistant Cable Electrical Connector Sealed Integral Cable Sealed Integral Cable Electrical Connection Position Side Side Side									
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	Ceramic Shear Titanium Hermetic 0.44 in x 0.62 in 0.20 oz 10-32 Coaxial Jack Side 10-32 Female 10 to 20 in-lb	Ceramic Shear Titanium Hermetic 11.2 mm x 15.7 mm 5.8 gm 10-32 Coaxial Jack Side 10-32 Female 113 to 226 N-cm	[1] [1] [1] [1] [1]									
 [4]			Notes [1] Typical. [2] TEDS option adds 1.0 VDC to bias voltage. [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details. [5] 250° F to 325° F data valid with HT option only. Supplied Accessories 080A Adhesive Mounting Base (1) 080A109 Petro Wax (1) 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). () M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)									
	<p>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. ICP® is a registered trademark of PCB group, Inc.</p>		<table border="1"> <tr> <td data-bbox="1125 1421 1312 1453">Entered: BAM</td> <td data-bbox="1312 1421 1480 1453">Engineer: WDC</td> <td data-bbox="1480 1421 1648 1453">Sales: JJB</td> <td data-bbox="1648 1421 1837 1453"></td> <td data-bbox="1837 1421 2005 1453">Spec Number:</td> </tr> <tr> <td data-bbox="1125 1469 1312 1518">Date: 11/09/2006</td> <td data-bbox="1312 1469 1480 1518">Date: 11/09/2006</td> <td data-bbox="1480 1469 1648 1518">Date: 11/09/2006</td> <td data-bbox="1648 1469 1837 1518"></td> <td data-bbox="1837 1469 2005 1518">16565</td> </tr> </table>	Entered: BAM	Engineer: WDC	Sales: JJB		Spec Number:	Date: 11/09/2006	Date: 11/09/2006	Date: 11/09/2006	
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