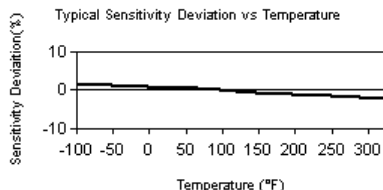


Model Number 320C20		ACCELEROMETER, ICP®		Revision C ECN #: 31452											
Performance		ENGLISH		SI											
Sensitivity (±10 %)		10 mV/g		1.02 mV/(m/s²)											
Measurement Range		±500 g pk		±4900 m/s² pk											
Frequency Range (±5 %)		2.0 to 5000 Hz		2.0 to 5000 Hz											
Frequency Range (±10 %)		1.5 to 10000 Hz		1.5 to 10000 Hz											
Filter Type		Low Pass		Low Pass											
Electrical Filter Corner Frequency		13 kHz		13 kHz											
Electrical Filter Roll-off		6 dB/octave		6 dB/octave											
Resonant Frequency		≥60 kHz		≥60 kHz											
Broadband Resolution (1 to 10000 Hz)		0.006 g rms		0.06 m/s² rms											
Non-Linearity		≤1 %		≤1 %											
Transverse Sensitivity		≤5 %		≤5 %											
Environmental															
Overload Limit (Shock)		±10000 g pk		±98100 m/s² pk											
Temperature Range (Operating)		-100 to +325 °F		-73 to +163 °C											
Temperature Response		See Graph		See Graph											
Base Strain Sensitivity		≤0.0005 g/με		≤0.005 (m/s²)/με											
Electrical															
Excitation Voltage		18 to 30 VDC		18 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		0.25 to 1 sec		0.25 to 1 sec											
Spectral Noise (1 Hz)		3200 μg/√Hz		31400 (μm/sec²)/√Hz											
Spectral Noise (10 Hz)		600 μg/√Hz		5880 (μm/sec²)/√Hz											
Spectral Noise (100 Hz)		100 μg/√Hz		980 (μm/sec²)/√Hz											
Spectral Noise (1 kHz)		60 μg/√Hz		590 (μm/sec²)/√Hz											
Physical															
Sensing Element		Quartz		Quartz											
Sensing Geometry		Shear		Shear											
Housing Material		Titanium		Titanium											
Sealing		Hermetic		Hermetic											
Size (Hex x Height)		0.38 in x 0.87 in		9.7 mm x 22.1 mm											
Weight		0.23 oz		6.5 gm											
Electrical Connector		10-32 Coaxial Jack		10-32 Coaxial Jack											
Electrical Connection Position		Top		Top											
Mounting Thread		10-32 Male		10-32 Male											
Mounting Torque		10 to 20 in-lb		113 to 225 N-cm											
															
															
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.															
Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Supplied Accessory: Model M080A Metric adhesive mounting base, 0.5" hex x 0.187" thk, M6 x 0.75 tapped thru-hole replaces Model 080A Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Transverse sensitivity is typically ≤ 3%. [4] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 080A Adhesive Mounting Base (1) 080A109 Petro Wax (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)															
<table><tr><td>Entered: ECB</td><td>Engineer: BAM</td><td>Sales: WDC</td><td>Approved: EB</td><td>Spec Number:</td></tr><tr><td>Date: 09/30/2009</td><td>Date: 09/30/2009</td><td>Date: 09/30/2009</td><td>Date: 09/30/2009</td><td>18163</td></tr></table>						Entered: ECB	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:	Date: 09/30/2009	Date: 09/30/2009	Date: 09/30/2009	Date: 09/30/2009	18163
Entered: ECB	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:											
Date: 09/30/2009	Date: 09/30/2009	Date: 09/30/2009	Date: 09/30/2009	18163											
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