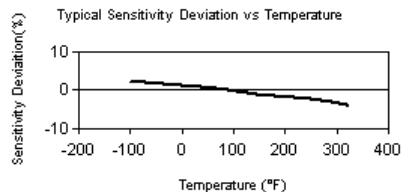


Model Number 320C33		ACCELEROMETER, ICP®		Revision C ECN #: 35369	
Performance		ENGLISH		SI	
Sensitivity (±10 %)		100 mV/g		10.2 mV/(m/s²)	
Measurement Range		±50 g pk		±490 m/s² pk	
Frequency Range (±5 %)		1 to 4000 Hz		1 to 4000 Hz	
Frequency Range (±10 %)		0.7 to 6000 Hz		0.7 to 6000 Hz	
Frequency Range (±3 dB)		0.35 to 10000 Hz		0.35 to 10000 Hz	
Resonant Frequency		≥22 kHz		≥22 kHz	
Broadband Resolution (1 to 10000 Hz)		0.0003 g rms		0.003 m/s² rms	
Non-Linearity		≤1 %		≤1 %	
Transverse Sensitivity		≤5 %		≤5 %	
Environmental					
Overload Limit (Shock)		±2000 g pk		±19620 m/s² pk	
Temperature Range (Operating)		-100 to +325 °F		-73 to +163 °C	
Temperature Response		See Graph		See Graph	
Base Strain Sensitivity		≤0.0002 g/με		≤0.002 (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		0.5 to 2.6 sec		0.5 to 2.6 sec	
Spectral Noise (1 Hz)		150 μg/√Hz		1470 (μm/sec²)/√Hz	
Spectral Noise (10 Hz)		30 μg/√Hz		294 (μm/sec²)/√Hz	
Spectral Noise (100 Hz)		8 μg/√Hz		78 (μm/sec²)/√Hz	
Spectral Noise (1 kHz)		2 μg/√Hz		20 (μm/sec²)/√Hz	
Physical					
Sensing Element		Quartz		Quartz	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Welded Hermetic		Welded Hermetic	
Size (Hex x Height)		0.75 in x 0.85 in		19.1 mm x 21.6 mm	
Weight		0.7 oz		20 gm	
Electrical Connector		10-32 Coaxial Jack		10-32 Coaxial Jack	
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	



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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Entered: DMW	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:
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