

Model Number 351B11		ICP® ACCELEROMETER		Revision: D ECN #: 48061	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		5 mV/g		0.51 mV/(m/s²)	
Measurement Range		± 300 g pk		± 2943 m/s² pk	
Frequency Range(± 5 %)		1 to 10,000 Hz		1 to 10,000 Hz	
Frequency Range(± 10 %)		0.7 to 15,000 Hz		0.7 to 15,000 Hz	
Frequency Range(± 3 dB)		0.35 to 30,000 Hz		0.35 to 30,000 Hz	
Resonant Frequency		≥ 40 kHz		≥ 40 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.01 g rms		0.1 m/s² rms	
Non-Linearity		≤ 1 %		≤ 1 %	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
Environmental					
Overload Limit		± 10,000 g pk		± 98,100 m/s² pk	
Temperature Range		-320 to +250 °F		-196 to +121 °C	
Temperature Response		See Graph		See Graph	
Base Strain Sensitivity		≤ 0.002 g/με		≤ 0.02 (m/s²)/με	
Electrical					
Excitation Voltage		20 to 30 VDC		20 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤ 200 Ohm		≤ 200 Ohm	
Output Bias Voltage		3 to 10 VDC		3 to 10 VDC	
Discharge Time Constant		0.5 to 2.0 sec		0.5 to 2.0 sec	
Spectral Noise(10 Hz)		400 µg/√Hz		3924 (µm/sec²)/√Hz	
Spectral Noise(100 Hz)		120 µg/√Hz		1177 (µm/sec²)/√Hz	
Spectral Noise(1 kHz)		30 µg/√Hz		294 (µm/sec²)/√Hz	
Spectral Noise(1 Hz)		2000 µg/√Hz		19,620 (µm/sec²)/√Hz	
Physical					
Size (Height x Hex)		0.43 in x 0.31 in		10.9 mm x 7.9 mm	
Weight		0.07 oz		2.0 gm	
Sensing Element		Quartz		Quartz	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Electrical Connector		5-44 Coaxial		5-44 Coaxial	
Electrical Connection Position		Side		Side	
Mounting Thread		5-40 Male		5-40 Male	
Mounting Torque		8 to 12 in-lb		90 to 135 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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Typical Sensitivity Deviation vs Temperature

