

Model Number 352B10		ACCELEROMETER, ICP®		Revision D ECN #: 24842	
Performance		ENGLISH		SI	
Sensitivity (±10 %)		10 mV/g		1.02 mV/(m/s²)	
Measurement Range		±500 g pk		±4905 m/s² pk	
Frequency Range (±5 %)		2 to 10000 Hz		2 to 10000 Hz	
Frequency Range (±10 %)		1 to 17000 Hz		1 to 17000 Hz	
Resonant Frequency		≥65 kHz		≥65 kHz	
Broadband Resolution (1 to 10000 Hz)		0.003 g rms		0.03 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)		-65 to +250 °F		-54 to +121 °C	
Temperature Response		See Graph		See Graph	
Electrical					
Excitation Voltage		18 to 30 VDC		18 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤200 ohm		≤200 ohm	
Output Bias Voltage		7 to 11 VDC		7 to 11 VDC	
Discharge Time Constant		0.3 to 1.0 sec		0.3 to 1.0 sec	
Settling Time (within 10% of bias)		<3 sec		<3 sec	
Spectral Noise (1 Hz)		1000 µg/√Hz		9810 (µm/sec²)/√Hz	
Spectral Noise (10 Hz)		300 µg/√Hz		2943 (µm/sec²)/√Hz	
Spectral Noise (100 Hz)		80 µg/√Hz		785 (µm/sec²)/√Hz	
Spectral Noise (1 kHz)		25 µg/√Hz		308 (µm/sec²)/√Hz	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Size (Height x Diameter)		0.32 in x 0.24 in		8.1 mm x 6.1 mm	
Weight		0.03 oz		0.7 gm	
Electrical Connector		Solder pins with attached cable		Solder pins with attached cable	
Electrical Connection Position		Top		Top	
Cable Termination		10-32 Coaxial Plug		10-32 Coaxial Plug	
Cable Length		10 ft		3 m	
Cable Type		030 Coaxial		030 Coaxial	
Mounting		Adhesive		Adhesive	

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