

Model Number 352A72		ICP® ACCELEROMETER		Revision: B ECN #: 42399	
Performance		ENGLISH		SI	
Sensitivity(± 15 %)		10 mV/g		1.02 mV/(m/s²)	
Measurement Range		± 500 g pk		± 4900 m/s² pk	
Frequency Range(± 5 %)		0.5 to 4500 Hz		0.5 to 4500 Hz	
Electrical Filter Corner Frequency		15,000 Hz		15,000 Hz	
Electrical Filter Roll-off		6 dB/octave		6 dB/octave	
Resonant Frequency		≥ 65 kHz		≥ 65 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.003 g rms		0.03 m/s² rms	
Non-Linearity		≤ 1 %		≤ 1 %	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
Environmental					
Overload Limit(Shock)		± 10,000 g pk		± 98,000 m/s² pk	
Temperature Range(Operating)		-65 to +200 °F		-54 to +93 °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 12 VDC		7 to 12 VDC	
Discharge Time Constant		1.0 to 3.5 sec		1.0 to 3.5 sec	
Settling Time(within 10% of bias)		≤ 3 sec		≤ 3 sec	
Spectral Noise(1 Hz)		725 µg/√Hz		7110 (µm/sec²)/√Hz	
Spectral Noise(10 Hz)		225 µg/√Hz		2210 (µm/sec²)/√Hz	
Spectral Noise(100 Hz)		100 µg/√Hz		981 (µm/sec²)/√Hz	
Spectral Noise(1 kHz)		100 µg/√Hz		981 (µm/sec²)/√Hz	
Physical					
Size (Height x Length x Width)		0.14 in x 0.41 in x 0.25 in		3.6 mm x 10.4 mm x 6.4 mm	
Weight(without cable)		0.023 oz		0.64 gm	
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Electrical Connector		Solder pins with attached cable		Solder pins with attached cable	
Electrical Connection Position		Side		Side	
Cable Termination		10-32 Coaxial Plug		10-32 Coaxial Plug	
Cable Length		10 ft		3.05 m	
Mounting		Adhesive		Adhesive	