

Model Number 356A66		ACCELEROMETER, ICP® , TRIAXIAL			Revision D ECN #: 29834	
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 to 4000 Hz		2 to 4000 Hz		
Resonant Frequency		≥35 kHz		≥35 kHz		
Filter Type		single pole		single pole		
Electrical Filter Roll-off		6 dB/octave		6 dB/octave		
Electrical Filter Cutoff Frequency		16 kHz		16 kHz		
Broadband Resolution (1 to 10000 Hz)		0.002 g rms		0.02 m/s² rms		
Non-Linearity		≤±1 %		≤±1 %		
Transverse Sensitivity		≤5 %		≤5 %		
Environmental						
Overload Limit (Shock)		±7000 g pk		±68600 m/s² pk		
Temperature Range (Operating)		-65 to +250 °F		-54 to +121 °C		
Temperature Response		See Graph		See Graph		
Base Strain Sensitivity		0.001 g/με		0.01 (m/s²)/με		
Electrical						
Excitation Voltage		22 to 30 VDC		22 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 15 VDC		7 to 15 VDC		
Discharge Time Constant		0.1 to 1.0 sec		0.1 to 1.0 sec		
Settling Time (within 10% of bias)		<3 sec		<3 sec		
Spectral Noise (1 Hz)		450 μg/√Hz		4415 (μm/sec²)/√Hz		
Spectral Noise (10 Hz)		100 μg/√Hz		981 (μm/sec²)/√Hz		
Spectral Noise (100 Hz)		25 μg/√Hz		245 (μm/sec²)/√Hz		
Spectral Noise (1 kHz)		20 μg/√Hz		196 (μm/sec²)/√Hz		
Physical						
Sensing Element		Ceramic		Ceramic		
Sensing Geometry		Shear		Shear		
Housing Material		Titanium		Titanium		
Sealing		Hermetic		Hermetic		
Size (Height x Length x Width)		0.55 in x 0.80 in x 0.55 in		14.0 mm x 20.3 mm x 14.0 mm		
Weight		0.32 oz		9.0 gm		
Electrical Connector		1/4-28 4-Pin		1/4-28 4-Pin		
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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