

Model Number 350C23		ICP® SHOCK ACCELEROMETER		Revision: E ECN #: 56360	
Performance		ENGLISH		SI	
Sensitivity(± 30 %)		0.5 mV/g		0.05 mV/(m/s ²)	
Measurement Range		± 10,000 g pk		± 98,000 m/s ² pk	
Frequency Range(± 1 dB)		0.4 to 10,000 Hz		0.4 to 10,000 Hz	
Frequency Range(- 3 dB)		0.2 to 25,000 Hz		0.2 to 25,000 Hz [1]	
Electrical Filter Corner Frequency(- 3 dB)		17 kHz		17 kHz [2][3]	
Mechanical Filter Resonant Frequency		35 kHz		35 kHz [2][4]	
Resonant Frequency		≥ 100 kHz		≥ 100 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.04 g rms		0.39 m/s ² rms [2]	
Non-Linearity(per 1000 g (9810 m/s ²))		≤ 2.0 %		≤ 2.0 %	
Transverse Sensitivity		≤ 7 %		≤ 7 %	
Environmental					
Overload Limit(Shock)		± 50,000 g pk		± 490,000 m/s ² pk	
Temperature Range(Operating)		-10 to +150 °F		-23 to +66 °C	
Temperature Range(Storage)		-40 to +200 °F		-40 to +93 °C	
Temperature Response		See Graph		See Graph [2][5]	
Base Strain Sensitivity		0.002 g/µε		0.02 (m/s ²)/µε [2]	
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		8 to 14 VDC		8 to 14 VDC	
Discharge Time Constant		1.0 to 2.0 sec		1.0 to 2.0 sec [2]	
Settling Time(within 10% of bias)		< 10 sec		< 10 sec	
Electrical Isolation(Case)		> 1,000,000 Ohm		> 1,000,000 Ohm	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Size (Hex x Height)		0.375 in x 0.88 in		9.5 mm x 22.4 mm	
Weight		0.19 oz		5.4 gm [2]	
Electrical Connector		Integral Cable		Integral Cable	
Cable Length		10 ft		3.05 m	
Cable Type		031 Twisted Pair		031 Twisted Pair	
Mounting Thread		1/4-28 Male		1/4-28 Male	

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