
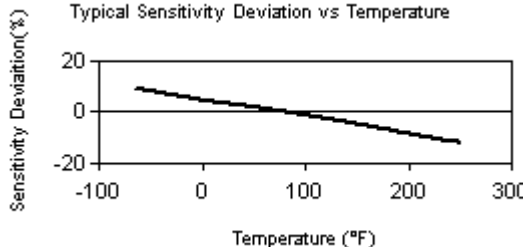



Model Number 352C23		ICP® ACCELEROMETER		Revision: E ECN #: 42197	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 20 %)		5 mV/g	0.5 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 1000 g pk	± 9810 m/s² pk		
Frequency Range(± 5 %)		2.0 to 10,000 Hz	2.0 to 10,000 Hz		
Frequency Range(± 10 %)		1.5 to 15,000 Hz	1.5 to 15,000 Hz		
Frequency Range(± 3 dB)		0.7 to 25,000 Hz	0.7 to 25,000 Hz		
Resonant Frequency		≥ 70 kHz	≥ 70 kHz		
Broadband Resolution(1 to 10,000 Hz)		0.003 g rms	0.03 m/s² rms	[1]	
Non-Linearity		≤ 1 %	≤ 1 %	[2]	
Transverse Sensitivity		≤ 5 %	≤ 5 %		
Environmental					
Overload Limit(Shock)		± 10,000 g pk	± 98,000 m/s² pk		
Temperature Range(Operating)		-65 to +250 °F	-54 to +121 °C		
Temperature Response		See Graph	See Graph	[1]	
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		0.24 to 1.0 sec	0.24 to 1.0 sec		
Settling Time(within 10% of bias)		<3 sec	<3 sec		
Spectral Noise(1 Hz)		1500 µg/√Hz	14,715 (µm/sec²)/√Hz	[1]	
Spectral Noise(10 Hz)		400 µg/√Hz	3924 (µm/sec²)/√Hz	[1]	
Spectral Noise(100 Hz)		120 µg/√Hz	1177 (µm/sec²)/√Hz	[1]	
Spectral Noise(1 kHz)		30 µg/√Hz	294 (µm/sec²)/√Hz	[1]	
Spectral Noise(10 kHz)		20 µg/√Hz	196 (µm/sec²)/√Hz	[1]	
Electrical Isolation(Base)		>10 ⁸ Ohm	>10 ⁸ Ohm		
Physical					
Size (Height x Length x Width)		.11 in x 0.34 in x 0.16 in	2.8 mm x 8.6 mm x 4.1 mm	[1]	
Weight		0.007 oz	0.2 gm		
Sensing Element		Ceramic	Ceramic		
Sensing Geometry		Shear	Shear		
Housing Material		Anodized Aluminum	Anodized Aluminum		
Sealing		Epoxy	Epoxy		
Electrical Connector		3-56 Coaxial Jack	3-56 Coaxial Jack		
Electrical Connection Position		Side	Side		
Mounting		Adhesive	Adhesive		
					
					
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. ICP® is a registered trademark of PCB Group, Inc.					
				Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
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Approved: JJB		Spec Number:		17738	
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Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029