

Model Number 350B23		ACCELEROMETER, ICP® , SHOCK		Revision E ECN #: 28655	
Performance		ENGLISH		SI	
Sensitivity (±30 %)		0.5 mV/g		0.05 mV/(m/s²)	
Measurement Range		±10000 g pk		±98000 m/s² pk	
Frequency Range (±1 dB)		0.4 to 10000 Hz		0.4 to 10000 Hz	
Frequency Range (-3 dB)		0.2 to 25000 Hz		0.2 to 25000 Hz [2]	
Electrical Filter Corner Frequency (-3 dB)		13 kHz		13 kHz [1][3]	
Mechanical Filter Resonant Frequency		23 kHz		23 kHz [1][4]	
Resonant Frequency		≥100 kHz		≥100 kHz	
Broadband Resolution (1 to 10000 Hz)		0.04 g rms		0.39 m/s² rms [1]	
Non-Linearity		≤2.0 %		≤2.0 %	
Transverse Sensitivity		≤7 %		≤7 %	
Environmental					
Overload Limit (Shock)		±50000 g pk		±490000 m/s² pk	
Temperature Range (Operating)		0 to +150 °F		-18 to +66 °C	
Temperature Range (Storage)		-40 to +200 °F		-40 to +93 °C	
Temperature Response		See Graph		See Graph [1]	
Base Strain Sensitivity		0.002 g/με		0.02 (m/s²)/με [1]	
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 [1]	
Settling Time (within 10% of bias)		<10 sec		<10 sec	
Electrical Isolation (Case)		>1000000 ohm		>1000000 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 0.75 in		9.5 mm x 19.1 mm	
Weight		0.16 oz		4.5 gm [1]	
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	
Typical Sensitivity Deviation vs Temperature					
<i>All specifications are at room temperature unless otherwise specified.</i> 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.					
Entered: BLS Engineer: BAM Sales: WDC Approved: JJB Spec Number: Date: 04/23/2008 Date: 04/23/2008 Date: 04/23/2008 Date: 04/23/2008 11670 VIBRATION DIVISION 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 888-684-0013 Fax: 716-685-3886 E-mail: vibration@pcb.com Web site: www.pcb.com					

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