

Model Number 3713B1150G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: C ECN #: 39611	
Performance		ENGLISH		SI		
Sensitivity(± 5 %)		40 mV/g		4.1 mV/(m/s²)		
Measurement Range		± 50 g pk		± 490.5 m/s² pk		
Frequency Range(± 5 %)		0 to 1000 Hz		0 to 1000 Hz		
Frequency Range(± 10 %)		0 to 1300 Hz		0 to 1300 Hz		
Resonant Frequency		≥ 5.1 kHz		≥ 5.1 kHz		
Phase Response(100 Hz)		<10 °		<10 °		
Broadband Resolution(0.5 to 100 Hz)		6.0 mg rms		0.059 m/s² rms		
Non-Linearity		≤ 1 %		≤ 1 %		
Transverse Sensitivity		≤ 3 %		≤ 3 %		
Environmental						
Overload Limit(Shock)		± 3000 g pk		± 29,420 m/s² pk		
Temperature Range(Operating)		-65 to +250 °F		-54.0 to +121 °C		
Temperature Range(Storage)		-65 to +250 °F		-54.0 to +121 °C		
Temperature Coefficient of Sensitivity		± 3 %		± 3 %		
Zero g Offset Temperature Coefficient		± 2 %FSO		± 2 %FSO		
Base Strain Sensitivity		.0001 g/με		.001 (m/s²)/με		
Magnetic Sensitivity		40 μg/gauss		3.9 (m/s²)/Tesla		
Electrical						
Excitation Voltage		6 to 30 VDC		6 to 30 VDC		
Current Consumption		≤ 6 mA		≤ 6 mA		
Output Impedance		≤ 100 Ohm		≤ 100 Ohm		
Offset Voltage(0 g)		± 40 mVDC		± 40 mVDC		
Spectral Noise(1 to 100 Hz)		600 μg/√Hz		5890 (μm/sec²)/√Hz		
Electrical Isolation(Case)		>10 ⁸ Ohm		>10 ⁸ Ohm		
Physical						
Housing Material		Titanium		Titanium		
Sealing		Hermetic		Hermetic		
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in		20.3 mm x 20.3 mm x 20.3 mm		
Weight		0.6 oz		17.3 gm		
Electrical Connector		9-Pin		9-Pin		
Electrical Connection Position		Side		Side		
Mounting Thread		10-32 Female		10-32 Female		
						
[7]						
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.						
						
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