

Model Number 3713F11100G		TRIAxIAL DC RESPONSE ACCELEROMETER		Revision: NR ECN #: 49223	
Performance		ENGLISH		SI	
Sensitivity(± 3 %)		13.5 mV/g		1.38 mV/(m/s²) [5]	
Measurement Range		± 100 g pk		± 981 m/s² pk	
Frequency Range(± 5 %)		0 to 1500 Hz		0 to 1500 Hz	
Frequency Range(± 10 %)		0 to 2500 Hz		0 to 2500 Hz	
Resonant Frequency		8.5 kHz		8.5 kHz [2]	
Phase Response(100 Hz)		<10 °		<10 °	
Non-Linearity		≤ 1 %		≤ 1 % [6]	
Broadband Resolution(0.5 to 100 Hz)		3.5 mg rms		0.034 m/s² rms [2]	
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		± 2.5 %		± 2.5 %	
Zero g Offset Temperature Coefficient		± 1.5 % FSO		± 1.5 % FSO [3][4]	
Base Strain Sensitivity		0.001 g/με		0.01 (m/s²)/με [2]	
Magnetic Sensitivity		40 μg/gauss		3.9 (m/s²)/Tesla [2]	
Electrical					
Excitation Voltage		5 to 32 VDC		5 to 32 VDC	
Current Consumption		≤ 15 mA		≤ 15 mA	
Output Impedance		≤ 120 Ohm		≤ 120 Ohm	
Offset Voltage(0 g)		± 20 mVDC		± 20 mVDC [1]	
Spectral Noise		500 μg/√Hz		4905 (μm/sec²)/√Hz [2]	
Electrical Isolation(Case)		>10⁸ Ohm		>10⁸ 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] <i>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. This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com</i>					
 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043					