

Model Number 3711F112G		DC RESPONSE ACCELEROMETER				Revision: NR ECN #: 49223	
Performance		ENGLISH		SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		675 mV/g		68.8 mV/(m/s²)		[5]	
Measurement Range		± 2 g pk		± 19.6 m/s² pk		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Frequency Range(± 5 %)		0 to 250 Hz		0 to 250 Hz			
Frequency Range(± 10 %)		0 to 350 Hz		0 to 350 Hz			
Resonant Frequency		1.2 kHz		1.2 kHz		[2]	
Phase Response(10 Hz)		<2.5 °		<2.5 °			
Broadband Resolution(0.5 to 100 Hz)		0.1 mg rms		0.001 m/s² rms		[2]	
Non-Linearity		≤ 1 %		≤ 1 %		[6]	
Transverse Sensitivity		≤ 3 %		≤ 3 %			
Environmental							
Overload Limit(Shock)		± 5000 g pk		± 49,050 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 %		[3]	
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		200 μg/gauss		19.6 (m/s²)/Tesla		[2]	
Electrical							
Excitation Voltage		5 to 32 VDC		5 to 32 VDC			
Current Consumption		≤ 5 mA		≤ 5 mA			
Output Impedance		≤ 120 Ohm		≤ 120 Ohm			
Offset Voltage(0 g)		+/-20 mVDC		+/-20 mVDC		[1]	
Spectral Noise		10 μg/√Hz		98.1 (μm/sec²)/√Hz		[2]	
Electrical Isolation(Case)		>10⁸ Ohm		>10⁸ Ohm			
Physical							
Housing Material		Titanium		Titanium			
Sealing		Hermetic		Hermetic			
Size (Height x Length x Width)		0.45 in x 0.85 in x 0.85 in		11.4 mm x 21.6 mm x 21.6 mm			
Weight		0.58 oz		16.3 gm			
Electrical Connector		4-Pin		4-Pin			
Electrical Connection Position		Side		Side			
Mounting		Through Hole		Through Hole			
							
[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. 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							
 3425 Walden Avenue, Depew, NY 14043							
Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com							