

Model Number 3711B1150G		DC RESPONSE ACCELEROMETER		Revision B ECN #: 34597	
Performance		ENGLISH		SI	
Sensitivity (±5 %)		40 mV/g		4.1 mV/(m/s²)	
Measurement Range		±50 g pk		±490 m/s² pk	
Frequency Range (±5 %)		0 to 1.0 kHz		0 to 1.0 kHz	
Frequency Range (±10 %)		0 to 1.5 kHz		0 to 1.5 kHz	
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		0.06 m/s² rms	
Non-Linearity		≤1 %		≤1 %	
Transverse Sensitivity		≤3 %		≤3 %	
Environmental					
Overload Limit (Shock)		±3000 g pk		±29420 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		≤5 mA		≤5 mA	
Output Impedance		≤100 ohm		≤100 ohm	
Offset Voltage (0 g)		-40 to +40 mVDC		-40 to +40 mVDC	
Spectral Noise (1 to 100 Hz)		600 μg/√Hz		5890 (μm/sec²)/√Hz	
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	
					
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.					
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