

Model Number 3711F1210G		DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 49386											
Performance		ENGLISH	SI		OPTIONAL VERSIONS											
Sensitivity(± 3 %)		135 mV/g	13.8 mV/(m/s²)	[5]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.											
Measurement Range		± 10 g pk	± 98.1 m/s² pk													
Frequency Range(± 5 %)		0 to 1000 Hz	0 to 1000 Hz													
Frequency Range(± 10 %)		0 to 1500 Hz	0 to 1500 Hz													
Resonant Frequency		3.2 kHz	3.2 kHz	[2]												
Phase Response(100 Hz)		<10 °	<10 °													
Broadband Resolution(0.5 to 100 Hz)		0.35 mg rms	0.0034 m/s² rms	[2]												
Non-Linearity		≤ 1 %	≤ 1 %	[6]	NOTES: [1] Offset tolerance is based on 10 ft of 010 test cable. [2] Typical. [3] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C) [4] FSO= Full Scale Output over the Measurement Range [5] Measured at 100 Hz, 1 grms. [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS027 for details.											
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		40 μg/gauss	3.9 (m/s²)/Tesla	[2]												
Electrical					SUPPLIED ACCESSORIES: Model 080A152 Easy Mount Clip (1) Model 081A113 Mounting screw assembly (2) Model ACS-172 Phase and Amplitude Calibration from 5 Hz to +5% frequency range Model M081A113 Mounting screw assembly (2)											
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		50 μg/√Hz	491 (μm/sec²)/√Hz	[2]												
Electrical Isolation(Case)		>10 ⁸ Ohm	>10 ⁸ 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		<table><tr><td>Entered: LK</td><td>Engineer: NJF</td><td>Sales: WDC</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 4/22/2019</td><td>Date: 4/22/2019</td><td>Date: 4/22/2019</td><td>Date: 4/22/2019</td><td>70746</td></tr></table>		Entered: LK	Engineer: NJF	Sales: WDC	Approved: BAM	Spec Number:	Date: 4/22/2019	Date: 4/22/2019	Date: 4/22/2019	Date: 4/22/2019	70746
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Weight(with cable)		2.29 oz	65.0 gm													
Electrical Connector		Integral Cable	Integral Cable													
Electrical Connection Position		Side	Side													
Cable Termination		Pigtail Ends	Pigtail Ends		 [7]											
Cable Type		010 4-cond Shielded	010 4-cond Shielded													
Cable Length		10 ft	3.05 m													
Mounting		Through Hole	Through Hole													
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> 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																
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