

Model Number 3711F122G		DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 49386											
Performance		ENGLISH	SI		OPTIONAL VERSIONS											
Sensitivity(± 3 %)		675 mV/g	68.8 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		± 2 g pk	± 19.6 m/s² pk													
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]	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 5 Hz, 0.5 grms. [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS027 for details.											
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		SUPPLIED ACCESSORIES: Model 080A152 Easy Mount Clip (1) Model 081A113 Mounting screw assembly (2) Model ACS-85 Phase and Magnitude calibration from 0.5 Hz to 5% pt Linear scale (1) Model M081A113 Mounting screw assembly (2)											
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		<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>70745</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	70745
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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)		>10 ⁸ Ohm	>10 ⁸ Ohm		<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>70745</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	70745
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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(with cable)		2.29 oz	65.0 gm		<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>70745</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	70745
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Electrical Connector		Integral Cable	Integral Cable													
Electrical Connection Position		Side	Side													
Cable Termination		Pigtail Ends	Pigtail Ends													
Cable Type		010 4-cond Shielded	010 4-cond Shielded													
Cable Length		10 ft	3.05 m		<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>70745</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	70745
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Mounting		Through Hole	Through Hole													

[7]

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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>



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