Model Number 3713F11200G	TRIAXIAL DC RESPONSE ACCELEROMETER	Revision: B ECN #: 55620

Performance	ENGLISH	SI	
Sensitivity(± 3 %)	6.75 mV/g	0.69 mV/(m/s²)	[1]
Measurement Range	± 200 g pk	± 1,962 m/s² pk	
Frequency Range(± 5 %)	0 to 1,500 Hz	0 to 1,500 Hz	
Frequency Range(± 10 %)	0 to 2,500 Hz	0 to 2,500 Hz	
Resonant Frequency	11.8 kHz	11.8 kHz	[2]
Phase Response(100 Hz)	< 10 °	< 10 °	
Non-Linearity(Typical)	0.3 %	0.3 %	[3]
Non-Linearity(Max)	1 %	1 %	[3]
Broadband Resolution(0.5 to 100 Hz)	6 mg rms	0.6 m/s² rms	[2]
Transverse Sensitivity(Typical)	1 %	1 %	
Transverse Sensitivity(Max)	3 %	3 %	
Environmental			
Overload Limit(Shock)	± 5,000 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	± 1 %	± 1 %	[4][2]
Zero g Offset Temperature Coefficient	± 1 % FSO	± 1 % FSO	[4][5][2]
Base Strain Sensitivity	.001 g/με	.01 (m/s²)/με	[2]
Magnetic Sensitivity	40 μg/gauss	3.9 (m/s²)/Tesla	[2]
Electrical			
Excitation Voltage	5 to 28 VDC	5 to 28 VDC	
Current Consumption	≤ 15 mA	≤ 15 mA	
Output Impedance	≤ 120 Ohm	≤ 120 Ohm	
Offset Voltage(0 g)	± 20 mVDC	± 20 mVDC	[6]
Spectral Noise(1 Hz)	600 μg/√Hz	5,886 (μm/s²)/√Hz	[2]
Spectral Noise(10 Hz)	600 μg/√Hz	5,886 (μm/s²)/√Hz	[2]
Spectral Noise(100 Hz)	600 μg/√Hz	5,886 (μm/s²)/√Hz	[2]
Electrical Isolation(Case)	> 10^8 Ohm	> 10^8 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	

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.

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1]Measured at 100 Hz, 10 grms.
[2]Typical.
[3]Zero-based, least-squares, straight line method.
[4]-65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C)
[5]FSO= Full Scale Output over the Measurement Range
[6]Offset tolerance is based on 10 ft of 037 test cable.

SUPPLIED ACCESSORIES:

Model 080A12 Adhesive Mounting Base (1)
Model 081B05 Mounting Stud (10-32 to 10-32) (1)
Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)
Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Entered: ND	Engineer: NJF	Sales: JM	Approved: NJF	Spec Number:
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