

Model Number 3713F12200G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 49386	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		6.75 mV/g	0.69 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		± 200 g pk	± 1962.0 m/s² pk			
Frequency Range(± 5 %)		0 to 1500 Hz	0 to 1500 Hz			
Frequency Range(± 10 %)		0 to 2500 Hz	0 to 2500 Hz			
Resonant Frequency		11.8 kHz	11.8 kHz	[2]		
Phase Response(100 Hz)		<10 °	<10 °			
Non-Linearity		≤ 1 %	≤ 1 %	[6]		
Broadband Resolution(0.5 to 100 Hz)		6 mg rms	0.6 m/s² rms	[2]		
Transverse Sensitivity		≤ 3 %	≤ 3 %			
Environmental						
Overload Limit(Shock)		± 3000 g pk	± 29,420 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						
Excitation Voltage		5 to 32 VDC	5 to 32 VDC			
Current Consumption		≤ 15 mA	≤ 15 mA			
Output Impedance		≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[1]		
Spectral Noise		800 μg/√Hz	7848 (μm/sec²)/√Hz	[2]		
Electrical Isolation(Case)		>10 ⁸ Ohm	>10 ⁸ Ohm			
Physical					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 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)	
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(with cable)		4.2 oz	119 gm			
Electrical Connector		Integral Cable	Integral Cable			
Electrical Connection Position		Side	Side			
Cable Type		037 10-cond Shielded	037 10-cond Shielded			
Cable Length		10 ft	3.05 m			
Mounting Thread		10-32 Female	10-32 Female			
CE [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		Entered: LK Engineer: NJF Sales: WDC Approved: BAM Spec Number:				
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