Inertial sensors

Single-Axis Accelerometer, 0.5–4.5V Analog Output

Model CS-LAS

Single-axis accelerometer with 0.5–4.5V analog output, ± 1g range (selectable up to ± 100g), 1000 ± 30 mV / g sensitivity and 4000 g impact resistance.



Output
0.5–4.5 V

Supply voltage
5 ± 0.25 VDC

Features

- Small size, light weight
- Good shock and vibration performance
- Bandwidth ≥50 Hz, selectable ≤ 400Hz
- 5 ± 0.25 VDC supply
- Size 19.5 × 18.8 × 8.4 mm

Applications

Vehicle security systems, Seismic monitoring stations

Specifications

Electrical	
Supply voltage	5 ± 0.25 VDC
Supply current	≤ 2 mA
Output	0.5–4.5 V

Performance	
Axial	X
Range	± 1g (range selectable ± 1 ~ ± 100g)
Bandwidth	≥50 Hz (selectable bandwidth of ≤ 400Hz)
Sensitivity	1000 ± 30 mV / g
Resolution	≤ 0.001g
Nonlinear	≤ 0.5% Fs
Bias (25 °C)	2.5 ± 0.1V
Start time	≤ 1 s

Environmental	
Operating temperature	-40 °C ~ + 70 °C
Storage temperature	-40 °C ~ + 125 °C
Impact resistance (0.5ms)	4000 g

Physical	
Weight	40 g
Size	19.5 × 18.8 × 8.4 mm

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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