

Miniature uniaxial accelerometer ACC 1824 Version: 2.0_20241014_EN



Megasig piezoelectric acceleration sensor, internal charge amplifier, the use of piezoelectric ceramic materials made of sensitive elements make it have good performance, can be more extreme temperature and wider measurement range of stable operation.

The ACC 1824 has an integrated cable and titanium housing, and is often paired with a built-in IEPE acquisition card such as the MegaSig PM 6183 for excellent test results.

Product characteristics

- IEPE power supply uniaxial accelerometer, the whole titanium alloy material, light weight, small size
- The whole adopts shear structure design, strong anti-interference ability and high stability
- Suitable for vibration test of micro motor

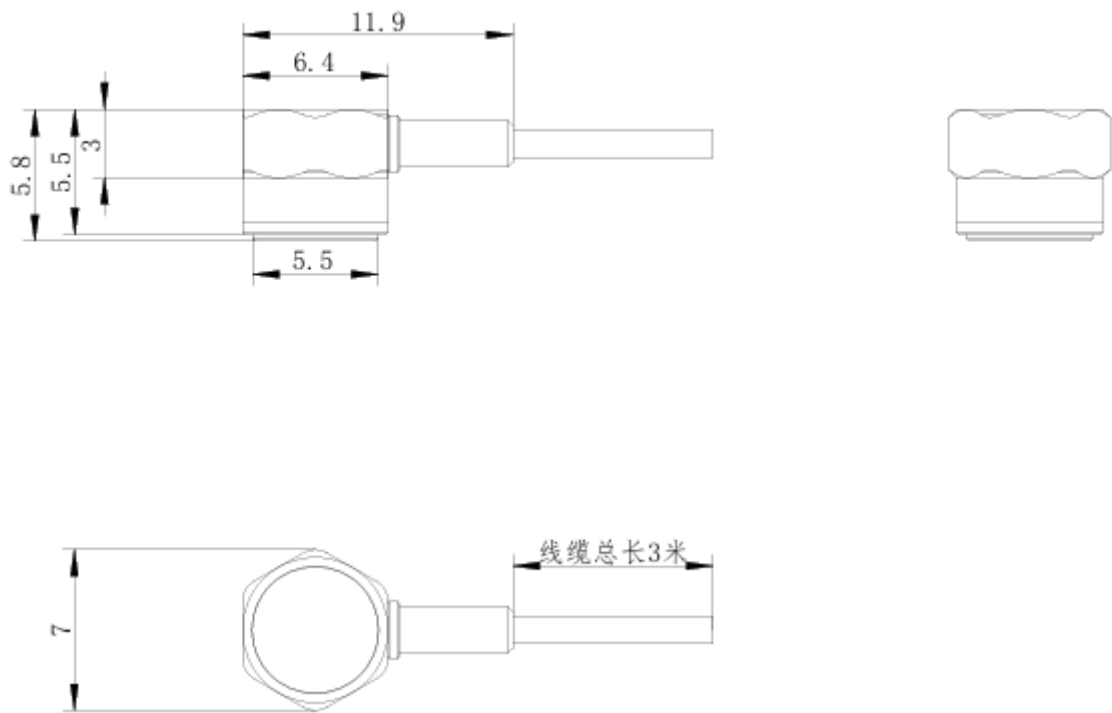
Specifications

Sensitivity	10mV/g (±20%)
Measurement Range	±500g
Frequency Response	10Hz-8kHz (±5%) 8kHz-10kHz (±10%)
Maximum Transverse Sensitivity	≤5%
Amplitude Linearity	≤1%
Wideband Resolution	0.005grms
Resonant Frequency	>50kHz
Impact Resistance	5kg
Working Voltage	+ 18~ + 28V
Working Current	+ 2~ + 10mA (Typical 4mA)
Working Temperature	-40~ + 120°C
Peak Output Voltage	≤6V
Base Strain	0.001g/με
Magnetic Sensitivity	1.5g/T

Mechanical structure

Sensing Element	Piezoelectric ceramics
Bulk Material	Titanium alloy
Design Type	Shear type structures
Weight	0.8g
Electrical Connector	Integrated cable BNC connector

Mechanical dimension



MegaSig reserves the right to change specifications and accessories without notice.



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