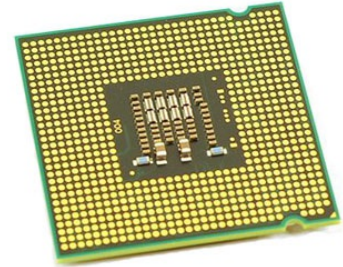


MEMS Accelerometer, Dual-Axis, Digital, X, Y, $\pm 5g$, 3 V, 5.25 V, LGA

Manufacturers	Analog Devices, Inc
Package/Case	LGA-12
Product Type	Motion & Position Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADIS16006CCCZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADIS16006 is a low cost, low power, complete dual-axis accelerometer with an integrated serial peripheral interface (SPI). An integrated temperature sensor is also available on the SPI interface. The ADIS16006 measures acceleration with a full-scale range of $\pm 5g$ (minimum). The ADIS16006 can measure both dynamic acceleration (vibration) and static acceleration (gravity).

The typical noise floor is $200 \mu g/\sqrt{Hz}$, allowing signals below $1.9 mg$ (60 Hz bandwidth) to be resolved.

The bandwidth of the accelerometer is set with optional capacitors, CX and CY, at the XFILT pin and the YFILT pin. Digital output data for both axes is available via the serial interface.

An externally driven self-test pin (ST) allows the user to verify the accelerometer functionality.

The ADIS16006 is available in a $7.2 mm \times 7.2 mm \times 3.7 mm$, 12-terminal LGA package.

Features

Dual-axis accelerometer

SPI digital output interface

Internal temperature sensor

Highly integrated; minimal external components

Bandwidth externally selectable

1.9 mg resolution at 60 Hz

Externally controlled electrostatic self-test

3.0 V to 5.25 V single-supply operation

Low power: <2mA

3500 g shock survival

7.2 mm × 7.2 mm × 3.6 mm package

Application

Industrial vibration/motion sensing

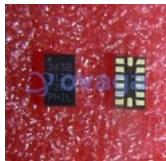
Platform stabilization

Dual-axis tilt sensing

Tracking, recording, analysis devices

Alarms and security devices

Related Products



[ADXL343BCCZ](#)

Analog Devices, Inc
LGA-14



[ADXL103CE](#)

Analog Devices, Inc
CLCC-8



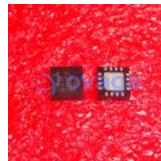
[ADXRS642BBGZ](#)

Analog Devices, Inc
CBGA-32



[ADXL346ACCZ-RL7](#)

Analog Devices, Inc
LGA16



[ADXL335BCPZ-RL7](#)

Analog Devices, Inc
LFCSP16



[ADIS16488BMLZ](#)

Analog Devices, Inc
MSM24



[ADXL357BEZ](#)

Analog Devices, Inc
LCC-14



[ADXL345BCCZ-RL7](#)

Analog Devices, Inc
LGA-14