

MEMS Accelerometer, Dual-Axis, Analogue, X, Y,  $\pm 5g$ , 4.75 V, 5.25 V, DIP

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	CDIP8
Product Type	Motion & Position Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADXL206HDZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADXL206 is a precision, low power, complete dual-axis iMEMS® accelerometer for use in high temperature environments.

The accelerometer integrates the sensor with signal conditioned voltage outputs on a single, monolithic IC. The ADXL206 measures acceleration with a full-scale range of  $\pm 5g$ . The ADXL206 can measure both dynamic acceleration (for example, vibration) and static acceleration (for example, gravity).

The typical noise floor is  $110 \mu g/\sqrt{Hz}$ , allowing signals below  $1 mg$  ( $0.06^\circ$  of inclination) to be resolved in tilt sensing applications using narrow bandwidths ( $<60 Hz$ ).

The user selects the bandwidth of the accelerometer using capacitors CX and CY at the XOUT and YOUT pins, respectively. Bandwidths of 0.5 Hz to 2.5 kHz can be selected to suit the application.

The ADXL206 is available in a  $13 mm \times 8 mm \times 2 mm$ , 8-lead, side-brazed ceramic dual in-line package (SBDIP).

## Features

High performance, dual-axis accelerometer on a single IC

Long life: guaranteed 1000 hours at>

13 mm × 8 mm × 2 mm side-brazed ceramic dual in-line package

1 mg resolution at 60 Hz

Low power: 700 μA at>

High zero g bias repeatability

High sensitivity accuracy

Bandwidth adjustment with a single capacitor

Single-supply operation

RoHS-compliant

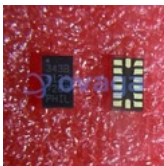
Compatible with Sn/Pb and Pb-free solder processes

## Application

Geological exploration tilt and vibration measurement

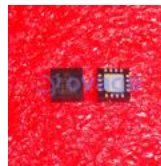
Extreme high temperature industrial products

## Related Products



### [ADXL343BCCZ](#)

Analog Devices, Inc  
LGA-14



### [ADXL335BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP16



### [ADXL103CE](#)

Analog Devices, Inc  
CLCC-8



### [ADIS16488BMLZ](#)

Analog Devices, Inc  
MSM24



### [ADXRS642BBGZ](#)

Analog Devices, Inc  
CBGA-32



### [ADXL357BEZ](#)

Analog Devices, Inc  
LCC-14



### [ADXL346ACCZ-RL7](#)

Analog Devices, Inc  
LGA16



### [ADXL345BCCZ-RL7](#)

Analog Devices, Inc  
LGA-14