

ACCELERATION SENSOR,1.7g, MEMS Sensor Output:Analogue, Measurement Axis:X, Y, Acceleration Range: 1.7g, Supply Voltage Min:3V, Supply Voltage Max:6V, Sensor Case Style:LCC, Sensitivity Typ:1000mV/g, MSL:-



Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	LCC-8
Product Type	Motion & Position Sensors
RoHS	Rohs
Lifecycle	

Please submit RFQ for ADXL203CE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADXL203 is a high precision, low power, complete dual-axis accelerometer with signal conditioned voltage outputs, all on a single, monolithic IC. The ADXL203 measures acceleration with a full-scale range of ± 1.7 g, ± 5 g, or ± 18 g. The ADXL203 can measure both dynamic acceleration (for example, vibration) and static acceleration (for example, gravity).

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

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

The ADXL203 is available in a $5 \text{ mm} \times 5 \text{ mm} \times 2 \text{ mm}$, 8-terminal ceramic LCC package.

Applications:

Platform stabilization/leveling

Navigation

Alarms and motion detectors

High accuracy, 2-axis tilt sensing

Vibration monitoring and compensation

Abuse event detection

Features

High performance dual-axis accelerometer on a single IC chip

5 mm × 5 mm × 2 mm LCC package

1 mg resolution at 60 Hz

Low power: 700 μA at >

High zero g bias stability

High sensitivity accuracy

X and Y axes aligned to within 0.1° (typical)

BW adjustment with a single capacitor

Single-supply operation

3500 g shock survival

RoHS-compliant

Compatible with Sn/Pb- and Pb-free solder processes



Application

Platform stabilization/leveling

Navigation

Alarms and motion detectors

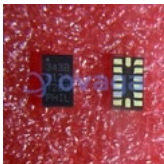
High accuracy, 2-axis tilt sensing

Vibration monitoring and compensation

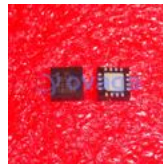
Abuse event detection



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](#)
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LGA-14