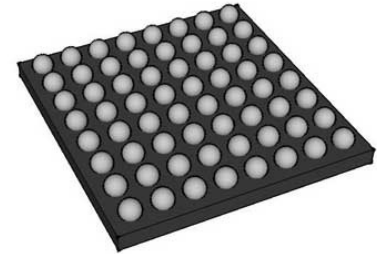


MEMS Gyroscope, Analogue, Yaw,  $\pm 300^\circ/s$ , 4.75 V, 5.25 V, BGA

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	CBGA-32
Product Type	Motion & Position Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADXRS652BBGZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADXRS652 is an industrial grade gyroscope that 100% pin, package, temperature, and function compatible to the related automotive grade ADXRS620 and ADXRS622 gyroscopes. Automotive grade gyroscopes have more guaranteed min/max specifications due to automotive testing.

The output signal, RATEOUT (1B, 2A), is a voltage proportional to angular rate about the axis normal to the top surface of the package. The output is ratiometric with respect to a provided reference supply. An external capacitor is used to set the bandwidth. Other external capacitors are required for operation.

A temperature output is provided for compensation techniques. Two digital self-test inputs electromechanically excite the sensor to test proper operation of both the sensor and the signal conditioning circuits. The ADXRS652 is available in a 7 mm  $\times$  7 mm  $\times$  3 mm BGA chip-scale package.

## Features

Complete rate gyroscope on a single chip

Z-axis (yaw rate) response

High vibration rejection over wide frequency

2000 g powered shock survivability

Ratiometric to referenced supply

5 V single-supply operation

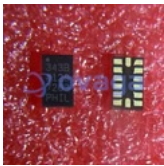
Self-test on digital command

Ultrasmall and light (<0.15 cc, <0.5 gram)

Temperature sensor output

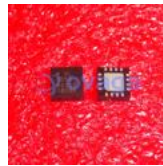
RoHS compliant

## 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