

Precision Quad MicroPower Rail-to-Rail Input/Output Amplifier; Package: SOIC; No of Pins: 14; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-14
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD8609ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

These amplifiers use a patented trimming technique that achieves superior precision without laser trimming. The parts are fully specified to operate from 1.8 V to 5.0 V single supply or from ± 0.9 V to ± 2.5 V dual supply. The combination of low offsets, low noise, very low input bias currents, and low power consumption makes the AD8603/AD8607/AD8609 especially useful in portable and loop-powered instrumentation.

The ability to swing rail to rail at both the input and output enables designers to buffer CMOS ADCs, DACs, ASICs, and other wide output swing devices in low power, single-supply systems.

The AD8603 is available in a tiny 5-lead TSOT package. The AD8607 is available in 8-lead MSOP and 8-lead SOIC packages. The AD8609 is available in 14-lead TSSOP and 14-lead SOIC packages.

Applications

Battery-powered instrumentation

Multipole filters

Sensors

Low power ASIC input or output amplifiers

Features

Low Offset Voltage: 40 μ V typ

Low Input Bias Current: 1pA max

Single-Supply Operation: 1.8 to 5 Volts

Low Noise: 27 nV/ \sqrt Hz

Micropower: 50 μ A/Amp max

No Phase Reversal

Unity Gain Stable

Application

Battery-powered instrumentation

Multipole filters

Sensors

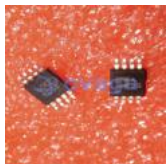
Low power ASIC input or output amplifiers

Related Products



[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8567ARUZ](#)

Analog Devices, Inc
TSSOP-14



[AD8022ARMZ](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc
MSOP-8



[AD8062ARMZ](#)

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MSOP8



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8041AR](#)

Analog Devices, Inc
SOP-8