

DigiTrim™ Quad Rail-to-Rail Input and Output Amplifier with Very Low Offset Voltage and Wide Bandwidths; Package: SOIC; No of Pins: 14; Temperature Range: Industrial

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



Images are for reference only

Please submit RFQ for AD8604DRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8601, AD8602, and AD8604 are single, dual, and quad rail-to-rail, input and output, single-supply amplifiers featuring very low offset voltage and wide signal bandwidth. These amplifiers use a new, patented trimming technique that achieves superior performance without laser trimming. All are fully specified to operate on a 3 V to 5 V single supply.

The combination of low offsets, very low input bias currents, and high speed make these amplifiers useful in a wide variety of applications. Filters, integrators, diode amplifiers, shunt current sensors, and high impedance sensors all benefit from the combination of performance features. Audio and other ac applications benefit from the wide bandwidth and low distortion. For the most cost-sensitive applications, the D grades offer this ac performance with lower dc precision at a lower price point.

Applications for these amplifiers include audio amplification for portable devices, portable phone headsets, bar code scanners, portable instruments, cellular PA controls, and multipole filters.

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 single-supply systems.

The AD8601, AD8602, and AD8604 are specified over the extended industrial (–40°C to +125°C) temperature range. The AD8601, single, is available in a tiny, 5-lead SOT-23 package. The AD8602, dual, is available in 8-lead MSOP and 8-lead, narrow SOIC surface-mount packages. The AD8604, quad, is available in 14-lead TSSOP, 14-lead SOIC, and 16-lead QSOP packages.

Features

Low Offset Voltage: 500 μ V Max

Single-Supply Operation: 2.7 V to 5.5 V

Low Supply Current: 750 μ A/Amplifier

Wide Bandwidth: 8 MHz

Slew Rate: 5 V/ μ s

Low Distortion

No Phase Reversal

Low Input Currents

Unity Gain Stable

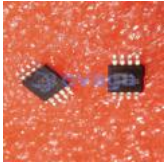


Related Products



[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](#)

Analog Devices, Inc
MSOP8



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8041AR](#)

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SOP-8