

Operational Amplifier, Quad, 4 Amplifier, 1 MHz, 0.92 V/ μ s, 2.7V to 5.5V, SOIC, 14 Pins

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



Images are for reference only

Please submit RFQ for AD8544ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8541/AD8542/AD8544 are single, dual, and quad rail-to-rail input and output single-supply amplifiers featuring very low supply current and 1 MHz bandwidth. All are guaranteed to operate from a 2.7 V single supply as well as a 5 V supply. These parts provide 1 MHz bandwidth at a low current consumption of 45 μ A per amplifier.

Very low input bias currents enable the AD8541/AD8542/AD8544 to be used for integrators, photodiode amplifiers, piezoelectric sensors, and other applications with high source impedance. The supply current is only 45 μ A per amplifier, ideal for battery operation.

Rail-to-rail inputs and outputs are useful to designers buffering ASICs in single-supply systems. The AD8541/AD8542/AD8544 are optimized to maintain high gains at lower supply voltages, making them useful for active filters and gain stages.

The AD8541/AD8542/AD8544 are specified over the extended industrial temperature range (-40°C to $+125^{\circ}\text{C}$). The AD8541 is available in 8-lead SOIC, 5-lead SC70, and 5-lead SOT-23 packages. The AD8542 is available in 8-lead SOIC, 8-lead MSOP, and 8-lead TSSOP surface-mount packages. The AD8544 is available in 14-lead narrow SOIC and 14-lead TSSOP surface-mount packages. All MSOP, SC70, and SOT versions are available in tape and reel only.

Applications

ASIC input or output amplifiers

Sensor interfaces

Piezoelectric transducer amplifiers

Medical instrumentations

Mobile communications

Audio outputs

Portable systems

Features

Single-supply operation: 2.7 V to 5.5 V

Low supply current: 45 μ A/amplifier

Wide bandwidth: 1 MHz

No phase reversal

Low input currents: 4 pA

Unity gain stable

Rail-to-rail input and output

Qualified for automotive applications.

Application

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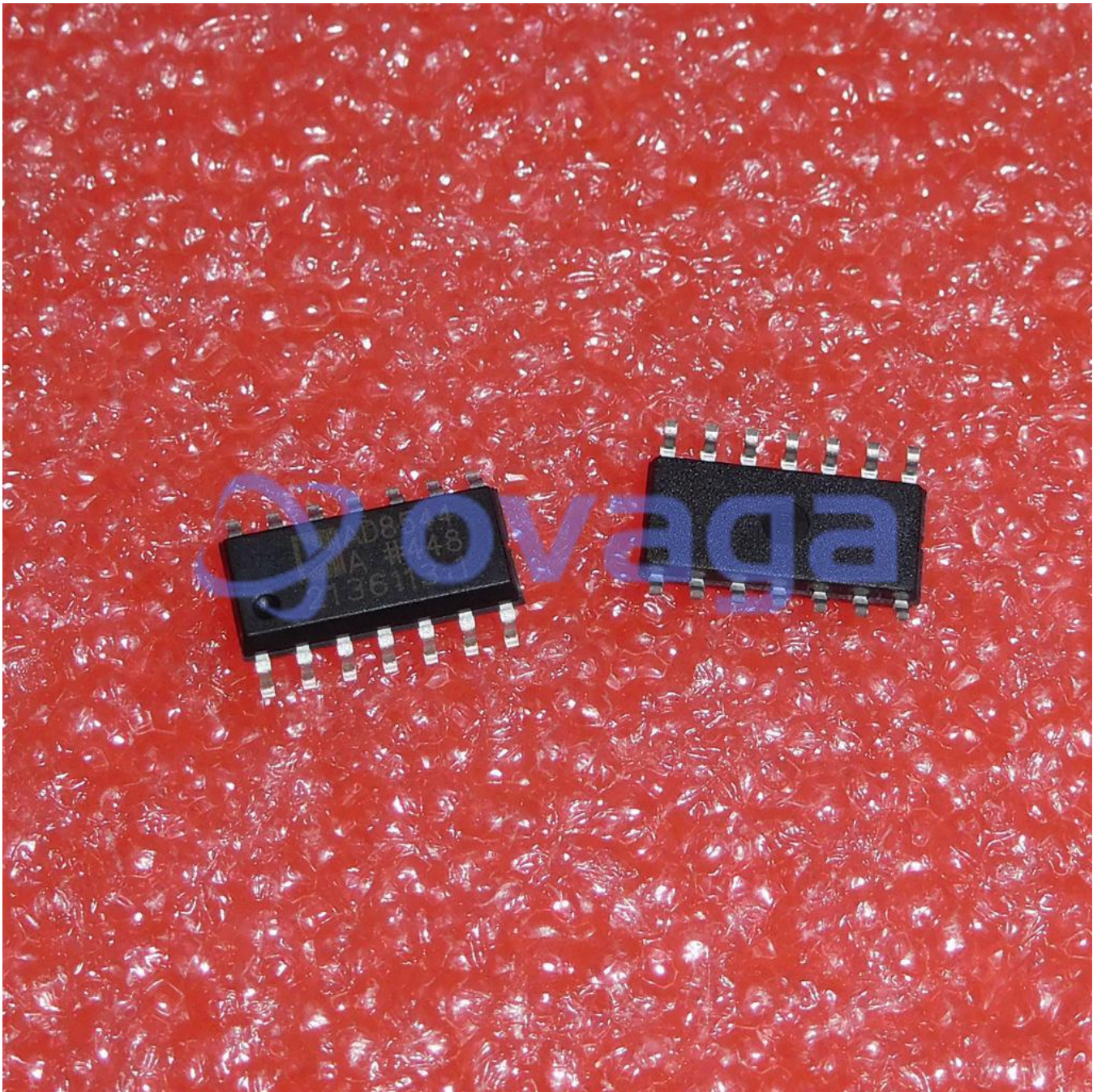
Medical instrumentations

Mobile communications

Audio outputs

Portable systems





Related Products



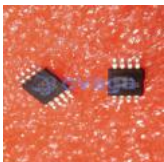
[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

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MSOP-8



[ADA4084-2ARMZ](#)

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