

Low Cost, 250 mA Output Single-Supply Amplifiers; Package: SOIC; No of Pins: 8;  
Temperature Range: Industrial

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8531ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The very low input bias currents enable the AD853x to be used for integrators and diode amplification and other applications requiring low input bias current. Supply current is only 750  $\mu$ A per amplifier at 5 volts, allowing low current applications to control high current loads.

Applications include audio amplification for computers, sound ports, sound cards and set-top boxes. AD853x family is very stable and capable of driving heavy capacitive loads, such as those found in LCDs.

The ability to swing rail-to-rail at the inputs and outputs enables designers to buffer CMOS DACs, ASICs or other wide output swing devices in single-supply systems.

The AD8531, AD8532 and AD8534 are specified over the extended industrial ( $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ ) temperature range. The AD8531 is available in 8-lead SOIC, 5-lead SC70, and 5-lead SOT-23 packages. The AD8532 is available in 8-lead SOIC, 8-lead MSOP, and 8-lead TSSOP surface-mount packages. The AD8534 is available in narrow 14-lead SOIC and 14-lead TSSOP surface-mount packages.

## Features

Single-Supply Operation: 2.7 Volts to 6 Volts

High Output Current:  $\pm 250$  mA

Low Supply Current: 750  $\mu$ A/Amplifier

Wide Bandwidth: 3 MHz

Slew Rate: 5 V/ $\mu$ s

No Phase Reversal

Low Input Currents

Unity Gain Stable

Rail-to-Rail Input and Output

## Application

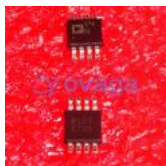
Multimedia audio

LCD drivers

ASIC input or output amplifiers

Headphone drivers

## Related Products



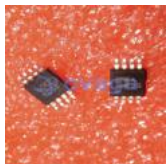
### [AD8418BRMZ-RL](#)

Analog Devices, Inc  
MSOP-8



### [ADA4528-2ARMZ-R7](#)

Analog Devices, Inc  
MSOP-8



### [ADA4084-2ARMZ](#)

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### [AD8062ARMZ](#)

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### [AD8567ARUZ](#)

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TSSOP-14



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