

Differential Amplifier, High Common-Mode Voltage, 1 Amplifiers, 500 mV, 130 kHz, -40 °C, 85 °C

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 AD8479ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD8479 is a difference amplifier with a very high input common-mode voltage range. The AD8479 is a precision device that allows the user to accurately measure differential signals in the presence of high common-mode voltages up to  $\pm 600$  V.

The AD8479 can replace costly isolation amplifiers in applications that do not require galvanic isolation. The device operates over a  $\pm 600$  V common-mode voltage range and has inputs that are protected from common-mode or differential mode transients up to  $\pm 600$  V.

The AD8479 has low offset voltage, low offset voltage drift, low gain drift, low common-mode rejection drift, and excellent common-mode rejection ratio (CMRR) over a wide frequency range.

The AD8479 is available in a space-saving 8-lead SOIC package and is operational over the  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  temperature range.

## Features

Rail-to-rail output

Fixed gain of 1

Wide power supply range of  $\pm 2.5$  V to  $\pm 18$  V

550  $\mu$ A typical power supply current

Excellent ac specifications

90 dB minimum CMRR

310 kHz bandwidth

High accuracy dc performance

5 ppm maximum gain nonlinearity

10  $\mu$ V/ $^{\circ}$ C maximum offset voltage drift

5 ppm/ $^{\circ}$ C maximum gain drift

Download(pdf)

Controlled manufacturing baseline

One assembly/test site

One fabrication site

Product change notification

Qualification data available on request

## Application

High voltage current sensing

Battery cell voltage monitors

Power supply current monitors

Motor controls

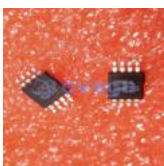
Isolation

## Related Products



### [AD8418BRMZ-RL](#)

Analog Devices, Inc  
MSOP-8



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

Analog Devices, Inc  
MSOP-8



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

Analog Devices, Inc  
MSOP-8



### [AD8062ARMZ](#)

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[AD8567ARUZ](#)

Analog Devices, Inc  
TSSOP-14



[AD8628AUJZ](#)

Analog Devices, Inc  
SOP23



[AD8022ARMZ](#)

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MSOP-8



[AD8041AR](#)

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