

Operational Amplifier, Dual, 2 Amplifier, 6.5 MHz, 12 V/ $\mu$ s,  $\pm 4.5V$  to  $\pm 18V$ , NSOIC, 8 Pins

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



Images are for reference only

Please submit RFQ for ADA4075-2ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADA4075-2 is a dual high-performance low noise operational amplifier combining excellent dc and ac characteristics on ADI's iPOLAR™ process. ADI's proprietary iPolar process is an advanced bipolar technology implementing vertical junction isolation with lateral trench isolation, allowing for low noise performance amplifiers in smaller die size at faster speed and lower power. Its high slew rate, low input bias current, low distortion and ultra low noise make it ideal for high fidelity audio and high performance instrumentation applications, especially for lower power demands, small enclosure or high density applications. The ADA4075-2 is specified for the  $-40^{\circ}C$  to  $+125^{\circ}C$  temperature range and is available in a standard SOIC package and a  $2\text{ mm} \times 2\text{ mm}$  LFCSP package.

### APPLICATIONS

Precision Instrumentation

Professional Audio

Active Filters

Low Noise Amplifier Front End

Integrators

## Features

Ultralow noise: 2.8 nV/ $\sqrt{\text{Hz}}$  at 1 kHz typical

Ultra low distortion, 0.0002% typical

Low supply current: 1.8 mA per amplifier typical

Offset voltage: 1 mV maximum

Bandwidth: 6.5 MHz typical

Slew Rate: 12 V/ $\mu\text{s}$

Unity-gain stable

Extended Industrial Temp Range

8-lead SOIC and 2 mm  $\times$  2 mm LFCSP packages

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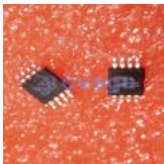
Integrators

## 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