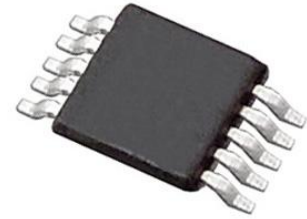


High Speed Operational Amplifiers Low Noise Low Power R/R Op Amp Dual

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-10
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADA4897-2ARMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADA4897-2 is a unity gain stable, low noise, rail-to-rail output, high speed voltage feedback amplifier that has a quiescent current of 3 mA. With the 1/f noise of 2.4 nV/√Hz at 10 Hz and a spurious-free dynamic range of -80 dBc at 2 MHz, the ADA4897-2 is an ideal solution in a variety of applications, including ultrasound, low noise preamplifiers, and drivers of high performance ADCs. Analog Devices, Inc., proprietary next generation SiGe bipolar process and innovative architecture enables such a high performance amplifier.

The ADA4897-2 has 230 MHz bandwidth, 120 V/μs slew rate, and settle to 0.1% in 45 ns. With a wide supply voltage range (3 V to 10 V), the ADA4897-2/ADA4897-1 is an ideal candidates for systems that require high dynamic range, precision, and high speed.

The ADA4897-2 is available in an 10-lead MSOP package and operates over the extended industrial temperature range of -40°C to +125°C.

### Applications

Low noise preamplifier

Ultrasound amplifiers

PLL Loop filters

High performance ADC drivers

DAC buffers

## Features

Download . Available as Known Good Die and fully guaranteed to data sheet specifications

Low wideband noise  $1 \text{ nV}/\sqrt{\text{Hz}}$   $2.8 \text{ pA}/\sqrt{\text{Hz}}$

Low 1/f noise:  $2.4 \text{ nV}/\sqrt{\text{Hz}}$  @ 10 Hz

Low distortion:  $-115 \text{ dBc}$  @ 100 kHz >

Low power: 3 mA/amp

Low input offset voltage: 0.5 mV maximum

High speed 230 MHz,  $-3 \text{ dB}$  bandwidth >

See data sheet for additional features

ADA4897-2 supports defense and aerospace applications (AQEC standard)

Download(pdf)

Extended industrial temperature range ( $-55^\circ\text{C}$  to  $+125^\circ\text{C}$ )

Controlled manufacturing baseline

1 assembly/test site

1 fabrication site

Enhanced product change notification

Qualification data available on request

V62/13614 DSCC Drawing Number

## Application

Low noise preamplifier

Ultrasound amplifiers

PLL Loop filters

High performance ADC drivers

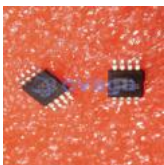
DAC buffers

## 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](#)

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SOP23



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