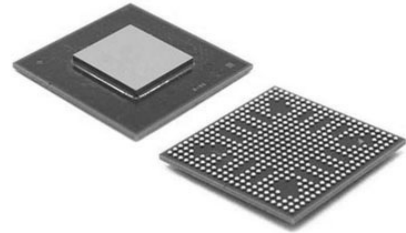


Precision Amplifiers Low Noise RRIO Zero Drift Dual OpAmp

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADA4528-2ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADA4528-1/ADA4528-2 are ultralow noise, zero-drift operational amplifiers featuring rail-to-rail input and output swing. With an offset voltage of 2.5 μV , offset voltage drift of 0.015 $\mu\text{V}/^\circ\text{C}$, and typical noise of 97 nV p-p (0.1 Hz to 10 Hz),

The ADA4528-1/ADA4528-2 have a wide operating supply range of 2.2 V to 5.5 V, high gain, and excellent CMRR and PSRR specifications, which make it ideal for applications that require precision amplification of low level signals, such as position and pressure sensors, strain gages, and medical instrumentation.

The ADA4528-1/ADA4528-2 are specified over the extended industrial temperature range (-40°C to $+125^\circ\text{C}$). The ADA4528-1 and ADA4528-2 are available in 8-lead MSOP and 8-lead LFCSP packages.

For more information about the ADA4528-1/ADA4528-2, see the AN-1114 Application Note, Lowest Noise Zero-Drift Amplifier Has 5.6 nV/ $\sqrt{\text{Hz}}$ Voltage Noise Density.

Features

Low offset voltage: 2.5 μV maximum

Low offset voltage drift: 0.015 $\mu\text{V}/^\circ\text{C}$ maximum

Low noise

5.6 nV/ $\sqrt{\text{Hz}}$ at $= +100$

97 nV p-p at $= +100$

Open-loop gain: 130 dB minimum

CMRR: 135 dB minimum

PSRR: 130 dB minimum

Unity-gain crossover: 4 MHz

Gain bandwidth product: 3 MHz at $>$

See data sheet for additional features

ADA4528-2 Supports defense and aerospace applications (ADEC standard)

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

Controlled manufacturing baseline

1 assembly/test site

1 fabrication site

Product change notification

Qualification data available upon request

Application

Thermocouple/thermopile

Load cell and bridge transducers

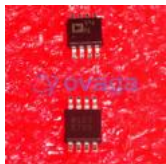
Precision instrumentation

Electronic scales

Medical instrumentation

Handheld test equipment

Related Products



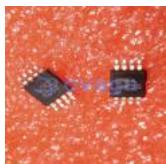
[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8062ARMZ](#)

Analog Devices, Inc
MSOP8



[AD8567ARUZ](#)

Analog Devices, Inc
TSSOP-14



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8022ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8041AR](#)

Analog Devices, Inc
SOP-8