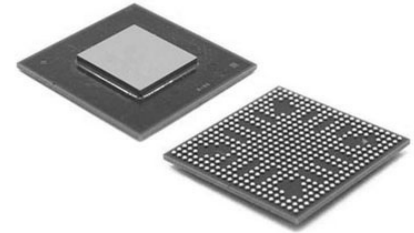


Operational Amplifier, 2 Amplifier, 3.6 MHz, 1.3 V/ μ s, 2.7V to 5V, $\pm 1.35V$ to $\pm 2.5V$, LFCSP, 8 Pins

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



Images are for reference only

Please submit RFQ for ADA4692-2ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADA4691-2/ADA4692-2 are dual and the ADA4691-4/ADA4692-4 are the quad rail-to-rail output, single-supply amplifiers featuring low power, wide bandwidth, and low noise. The ADA4691-2 has two independent shutdown pins, allowing further reduction in supply current. The ADA4691-4 is a quad with dual shutdown pins each controlling a pair of amplifiers and is available in the 16-lead LFCSP. The ADA4692-4 is a quad version without shutdown.

These amplifiers are ideal for a wide variety of applications. Audio, filters, photodiode amplifiers, and charge amplifiers, all benefit from this combination of performance and features. Additional applications for these amplifiers include portable consumer audio players with low noise and low distortion that provide high gain and slew rate response over the audio band at low power. Industrial applications with high impedance sensors, such as pyroelectric and IR sensors, benefit from the high impedance and low 0.5 pA input bias, low offset drift, and enough bandwidth and response for low gain applications.

The ADA4691/ADA4692 family is fully specified over the extended industrial temperature range (-40°C to $+125^{\circ}\text{C}$). The ADA4691-2 is available in a 10-lead LFCSP and a 9-ball WLCSP. The ADA4692-2 is available in an 8-lead SOIC and 8-lead LFCSP. The ADA4691-4 is available in a 16-lead LFCSP. The ADA4692-4 is available in a 14-lead TSSOP.

Features

Low power: 180 μ A typical

Very low input bias currents: 0.5 pA typical

Low noise: 16 nV/ $\sqrt{\text{Hz}}$ typical

3.6 MHz bandwidth

Offset voltage: 500 μ V typical

Low offset voltage drift: 4 μ V/ $^{\circ}\text{C}$ maximum

Low distortion: 0.003% THD + N

2.7 V to 5 V single supply or ± 1.35 V to ± 2.5 V dual supply

Available in very small 2 mm \times 2 mm LFCSP packages

Application

Photodiode amplifiers

Sensor amplifiers

Portable medical and instrumentation

Portable audio: MP3s, PDAs, and smartphones

Communications

Low-side current sense

ADC driver

Active filters

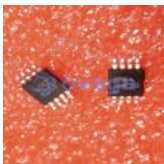
Sample-and-hold

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](#)

Analog Devices, Inc
SOP-8