

36 V High Performance, JFET-Input, Amp, Operational Amplifier; Package: 8-pin;
Temperature Range: -40°C to +125°C

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



Images are for reference only

Please submit RFQ for ADA4627-1ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADA4627-1/ADA4637-1 are wide bandwidth precision amplifiers featuring low noise, very low offset, drift, and bias current. The parts operate from ± 5 V to ± 15 V dual supply.

The ADA4627-1/ADA4637-1 provide benefits previously found in few amplifiers. These amplifiers combine the best specifications of precision dc and high speed ac op amps. The ADA4637-1 is a decompensated version of the ADA4627-1 and is stable at a noise gain of 5 or greater.

With a typical offset voltage of only 70 μ V, drift of less than 1 μ V/°C, and noise of only 0.86 μ V p-p (0.1 Hz to 10 Hz), the ADA4627-1/ADA4637-1 are suited for applications where error sources cannot be tolerated.

The ADA4627-1/ADA4637-1 are specified for both the industrial temperature range of -25°C to +85°C and the extended industrial temperature range of -40°C to +125°C. The ADA4627-1 and ADA4637-1 are available in tiny 8-lead LFCSP and 8-lead SOIC packages.

The ADA4627-1/ADA4637-1 are members of a growing series of high speed, precision op amps offered by Analog Devices, Inc.

Applications

High impedance sensors

Photodiode amplifier

Precision instrumentation

Phase-locked loop filters

High end, professional audio

DAC output amplifier

ATE

Medical

Features

Low offset voltage: 200 μ V maximum

Offset drift: 1 μ V/ $^{\circ}$ C typical

Very low input bias current: 5 pA maximum

Extended temperature range: -40° C to $+125^{\circ}$ C

ADA4627-1 GBW: 19 MHz

ADA4637-1 GBW: 79 MHz

See data sheet for additional information

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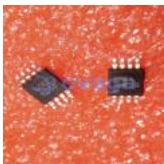


Related Products



[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

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[AD8062ARMZ](#)

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[AD8567ARUZ](#)

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