

Operational Amplifier, Dual, 2 Amplifier, 4.7 MHz, 22 V/ μ s, $\pm 4.5V$ to $\pm 18V$, SOIC, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for OP249GSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The OP249 is a high speed, precision dual JFET op amp, similar to the popular single op amp. The OP249 outperforms available dual amplifiers by providing superior speed with excellent dc performance. Ultrahigh open-loop gain (1 kV/mV minimum), low offset voltage, and superb gain linearity makes the OP249 the industry's first true precision, dual high speed amplifier.

With a slew rate of 22 V/ μ s typical and a fast settling time of less than 1.2 μ s maximum to 0.01%, the OP249 is an ideal choice for high speed bipolar DAC and ADC applications. The excellent dc performance of the OP249 allows the full accuracy of high resolution CMOS DACs to be realized.

Symmetrical slew rate, even when driving large load, such as, 600 Ω or 200 pF of capacitance and ultralow distortion, make the OP249 ideal for professional audio applications, active filters, high speed integrators, servo systems, and buffer amplifiers.

Features

Slew rate: 22 V/ μ s typical

Settling time (0.01%): 1.2 μ s maximum

Offset voltage: 200 μ V typical

Open-loop gain: 1000 V/mV minimum

Total harmonic distortion: 0.002% typical

Application

Output amplifier for fast DACs

Signal processing

Instrumentation amplifiers

Fast sample-and-holds

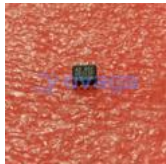
Active filters

Low distortion audio amplifiers

Input buffer for ADCs

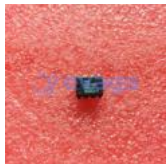
Servo controllers

Related Products



[OP213F](#)

Analog Devices, Inc
SMD/DIP-8/SOP-8



[OP27GP](#)

Analog Devices, Inc
PDIP-8



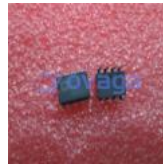
[OP462GSZ](#)

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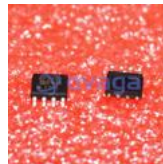
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