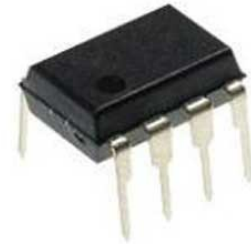


ANALOG DEVICES AD648JNZ Operational amplifier, dual, 1 MHz, 2 amplifiers, 1.8 V/ μ s, ± 4.5 V to ± 18 V, DIP, 8-pin

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



Images are for reference only

Please submit RFQ for AD648JNZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD648 is a matched pair of low power, precision monolithic operational amplifiers. It offers both low bias current (10 pA max, warmed up) and low quiescent current (400 μ A max) and is fabricated with ion-implanted FET and laser wafer trimming technologies. Input bias current is guaranteed over the AD648's entire common-mode voltage range.

The economical J grade has a maximum guaranteed offset voltage of less than 2 mV and an offset voltage drift of less than 20 μ V/ $^{\circ}$ C. The combination of low quiescent current and low offset voltage drift minimizes changes in input offset voltage due to self-heating effects.

The AD648 is recommended for any dual supply op amp application requiring low power and excellent dc and ac performance. In applications such as battery-powered, precision instrument front ends and CMOS DAC buffers, the AD648's excellent combination of low input offset voltage and drift, low bias current and low 1/f noise reduces output errors. High common-mode rejection and high open-loop gain ensures better than 12-bit linearity in high impedance, buffer applications.

The AD648 is pinned out in a standard dual op amp configuration and is available in seven performance grades. The AD648J and AD648K are rated over the commercial temperature range of 0 $^{\circ}$ C to +70 $^{\circ}$ C.

The AD648 is available in an 8-pin plastic mini-DIP and SOIC package.

Features

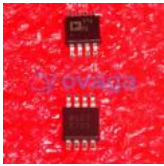
DC Performance: 400 μ A max Quiescent Current

AC Performance: 1.8 V/ μ s Slew Rate 1 MHz Unity Gain Bandwidth

Available in Plastic Mini-DIP and SOIC Packages

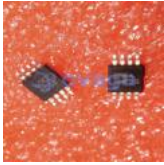
Single Version: AD548

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
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[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc
MSOP-8



[AD8062ARMZ](#)

Analog Devices, Inc
MSOP8



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8041AR](#)

Analog Devices, Inc
SOP-8