OP470GPZ

Data Sheet

Operational Amplifier, Quad, 4 Amplifier, 6 MHz, 2 V/µs, ± 4.5V to ± 18V, DIP, 14 Pins

Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	PDIP-14
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for OP470GPZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The OP470 features an input offset voltage below 0.4mV, excellent for a quad op amp, guaranteed over the full military temperature range. Open-loop gain of the OP470 is over 1,000,000 into a 10k Ohm load insuring excellent gain accuracy and linearity, even in high-gain applications. Input bias is under 25nA which reduces errors due to signal source reisitance. The OP470's CMR of over 110dB and PSRR of less than 1.8µV/V significantly reduce errors due to ground noise and power supply fluctuations. Power consumption of the quad OP470 is half that of four OP27s, a significant advantage for power conscious applications. The OP470 is unity-gain stable with a gain-bandwidth product of 6MHz and a slew rate of 2V/µs typical.

The OP470 offers excellent amplifier matching which is important for applications such as multiple gain blocks, low-noise instrumentation amplifiers, quad buffers, and low-noise active filters.

The OP470 conforms to the industry standard 14-pin DIP pinout. It is pin compatible with the OP11 and LM 148 quad op amps and can be used to upgrade systems using these devices.

Features

Very Low-Noise

Excellent Input Offset Voltage, 0.4 mV Max

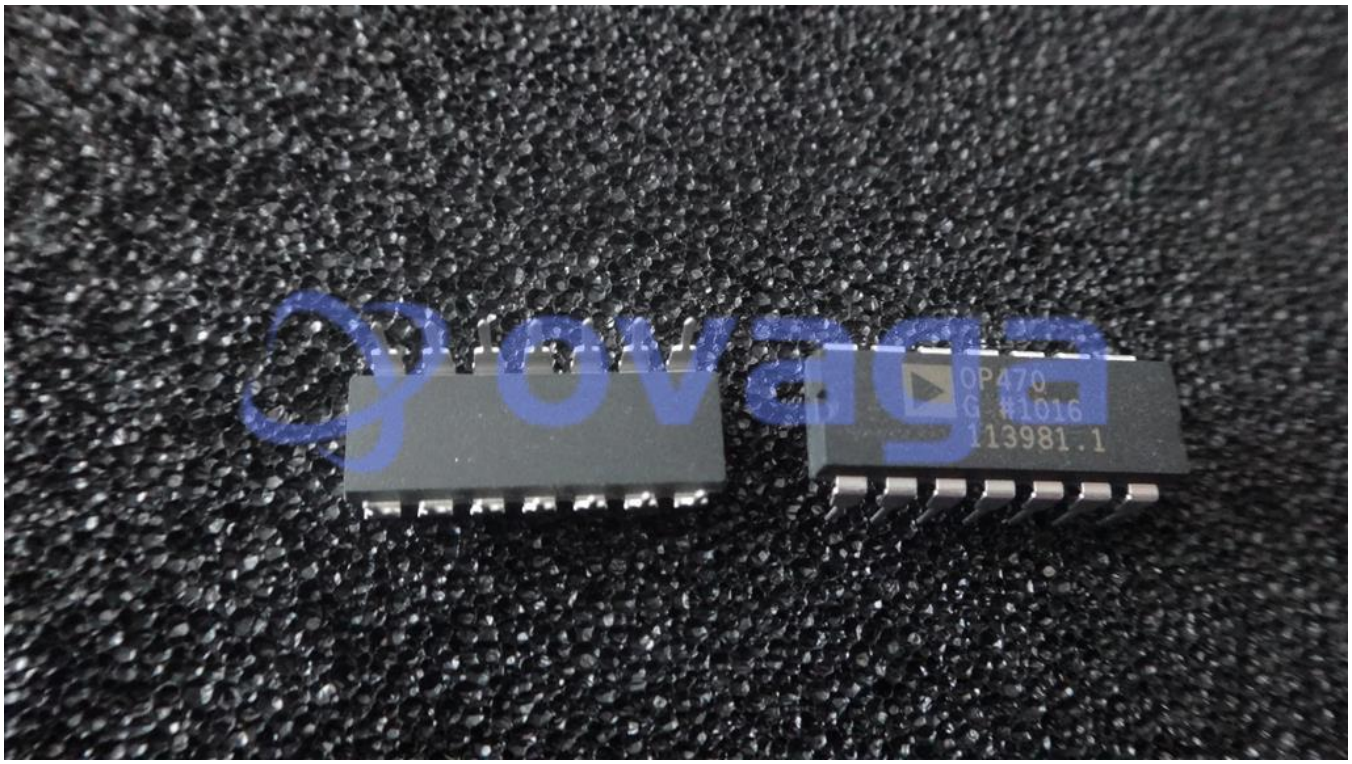
Low Offset Voltage Drift

Very High Gain, 1000 V/mV Min

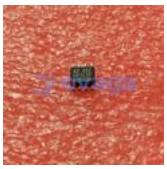
Outstanding CMR, 110 dB Min

Slew Rate, 2 V/μs Typ

Gain-Bandwidth Product, 6 MHz Typ



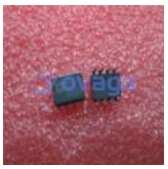
Related Products



OP213F

Analog Devices, Inc

SMD/DIP-8/SOP-8



OP42AZ

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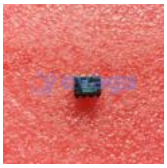
CDIP-8



OP27GP

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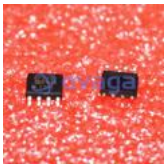
PDIP-8



OP37GS

Analog Devices, Inc

SOIC-8

OP462GSZ

Analog Devices, Inc

SOIC-14

OP2177ARM

Analog Devices, Inc

MSOP8

OP467GPZ

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PDIP-14

OP400GPZ

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PDIP-14