

Operational Amplifier, Single, 1 Amplifier, 10 MHz, 50 V/ $\mu$ s,  $\pm 8$ V to  $\pm 20$ V, SOIC, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for OP42GSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Its tight 750 $\mu$ V maximum input offset voltage combined with well-controlled drift of less than 10 $\mu$ V/ $\%C$  eliminates the need for external nulling in many circuits. The common-mode rejection of the 86dB minimum over a  $\pm 11$  V input voltage range is exceptional for a high-speed amplifier. High CMR combined with a minimum 500V/mV gain into 10k( $\Omega$ ) load ensure excellent linearity in both noninverting and inverting gain configurations. The low input bias and offset currents provided by the JFET input stage suit the OP42 for use in high-speed sample and hold circuits, peak detectors, and log amplifiers. Excellent radiation hardness characteristics make the OP42 ideal for military and aerospace applications.

The OP42 conforms to the standard 741 pinout with nulling to V-. The OP42 upgrades the performance of circuits using the AD544, AD611, AD711, and LF400 by direct replacement. In circuits without nulling, the OP42 offers an upgrade for designs using the OP16, OP17, LT1022, and LT1056.

## Features

FAST

Slew Rate: 45 V/ $\mu$ s Min

Settling Time (0.01%): 1  $\mu$ s Max

Gain Bandwidth Product: 10 MHz Typ

PRECISE

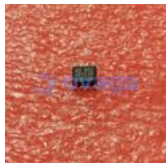
Common Mode Rejection: 86 dB Min

Open Loop Gain: 500 V/mV Min

Bias Current: 200 pA Max

Excellent Radiation Hardness

## Related Products



### [OP213F](#)

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



### [OP27GP](#)

Analog Devices, Inc  
PDIP-8



### [OP462GSZ](#)

Analog Devices, Inc  
SOIC-14



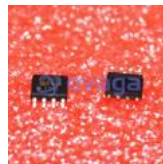
### [OP467GPZ](#)

Analog Devices, Inc  
PDIP-14



### [OP42AZ](#)

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CDIP-8



### [OP37GS](#)

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### [OP2177ARM](#)

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### [OP400GPZ](#)

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PDIP-14