

Operational Amplifier, Single, 1 Amplifier, 15 MHz, 13 V/ $\mu$ s, 2.7V to 12V, SOIC, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for OP162GSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OP162 (single), OP262 (dual), and OP462 (quad) rail-to-rail 15 MHz amplifiers feature the extra speed new designs require, with the benefits of precision and low power operation. With their incredibly low offset voltage of 45  $\mu$ V (typical) and low noise, they are perfectly suited for precision filter applications and instrumentation. The low supply current of 500  $\mu$ A (typical) is critical for portable or densely packed designs. In addition, the rail-to-rail output swing provides greater dynamic range and control than standard video amplifiers.

These products operate from single supplies as low as 2.7 V to dual supplies of  $\pm 6$  V. The fast settling times and wide output swings recommend them for buffers to sampling A/D converters. The output drive of 30 mA (sink and source) is needed for many audio and display applications; more output current can be supplied for limited durations. The OPx62 family is specified over the extended industrial temperature range ( $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ ). The single OP162 amplifiers are available in 8-lead SOIC package. The dual OP262 amplifiers are available in 8 lead SOIC and TSSOP packages. The quad OP462 amplifiers are available in 14-lead, narrow-body SOIC and TSSOP packages.

## Features

Wide Bandwidth: 15 MHz

Low Offset Voltage: 325  $\mu$ V max

Low Noise: 9.5 nV/ $\sqrt{\text{Hz}}$  @ 1 kHz

Single-Supply Operation: +2.7 V to +12 V

Rail-to-Rail Output Swing

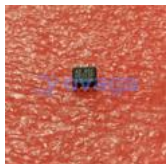
Low TC<sub>VOS</sub>: 1  $\mu$ V/ $^{\circ}$ C typ

High Slew Rate: 13 V/ $\mu$ s

No Phase Inversion

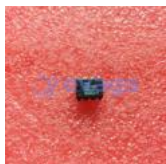
Unity Gain Stable

## Related Products



### [OP213F](#)

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



### [OP27GP](#)

Analog Devices, Inc  
PDIP-8



### [OP462GSZ](#)

Analog Devices, Inc  
SOIC-14



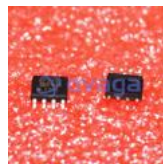
### [OP467GPZ](#)

Analog Devices, Inc  
PDIP-14



### [OP42AZ](#)

Analog Devices, Inc  
CDIP-8



### [OP37GS](#)

Analog Devices, Inc  
SOIC-8



### [OP2177ARM](#)

Analog Devices, Inc  
MSOP8



### [OP400GPZ](#)

Analog Devices, Inc  
PDIP-14