

Operational Amplifier, Dual, 2 Amplifier, 15 MHz, 13 V/ μ s, 2.7V to 12V, SOIC, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for OP262GSZ 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 μ V (typical) and low noise, they are perfectly suited for precision filter applications and instrumentation. The low supply current of 500 μ 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 ± 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°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.

The OP262-EP support defense and aerospace applications. (AQEC)

Features

Wide Bandwidth: 15 MHz

Low Offset Voltage: 325 μ 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_{VOS}: 1 μ V/ $^{\circ}$ C typ

High Slew Rate: 13 V/ μ s

See data sheet for additional features

OP262-EP supports defense and aerospace applications (AQEC standard)

[Download\(pdf\)](#)

Military temperature range (-55°C to $+125^{\circ}\text{C}$)

Controlled manufacturing baseline

One assembly/test site

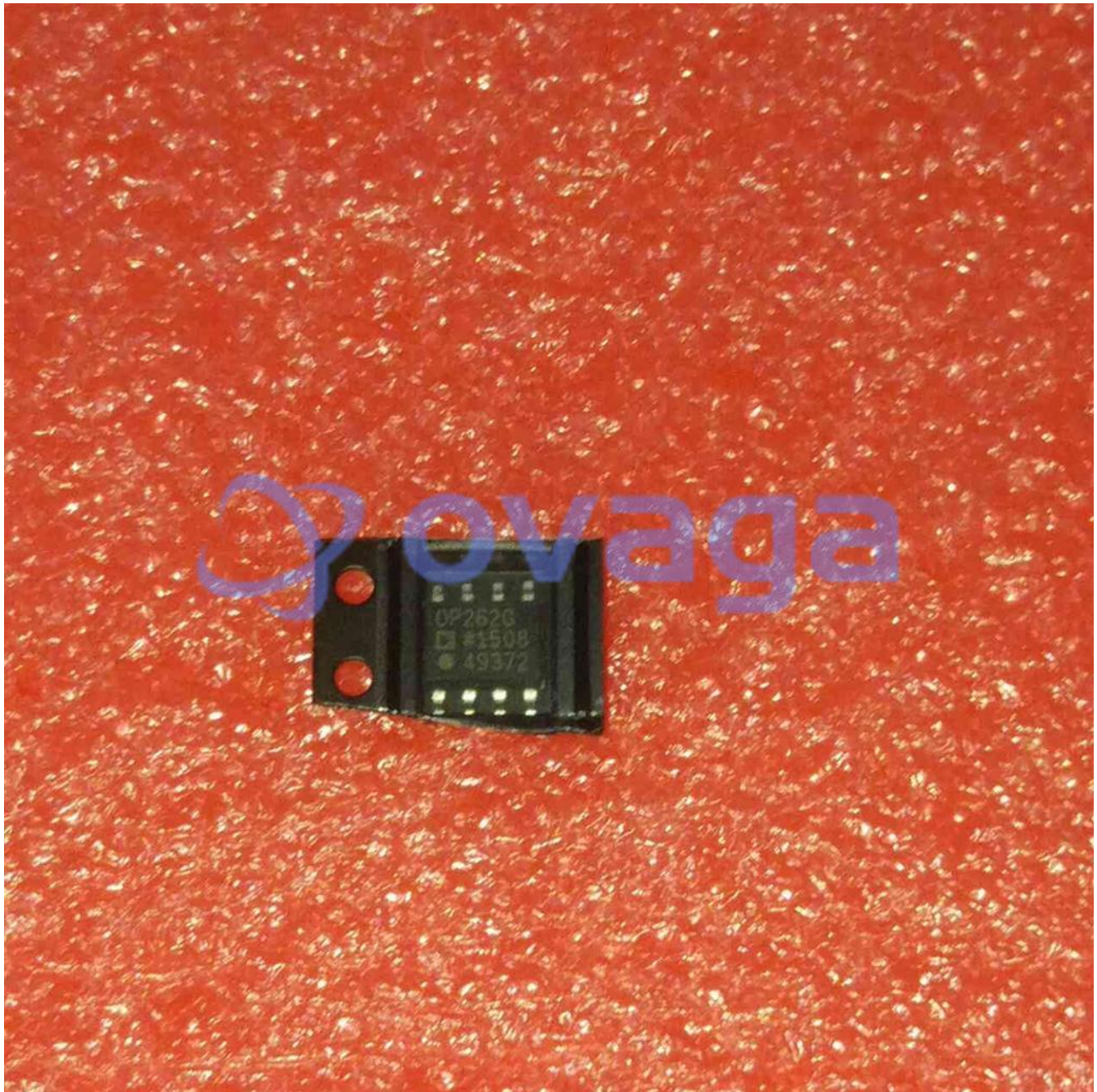
One fabrication site

Enhanced product change notification

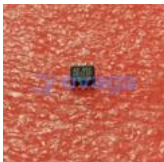
See data sheet for additional features

V62/12639 DSCC Drawing number





Related Products



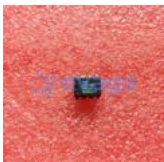
[OP213F](#)

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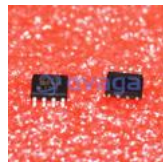
[OP42AZ](#)

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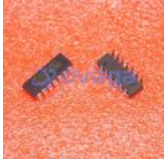
[OP462GSZ](#)

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[OP2177ARM](#)

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[OP467GPZ](#)

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[OP400GPZ](#)

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