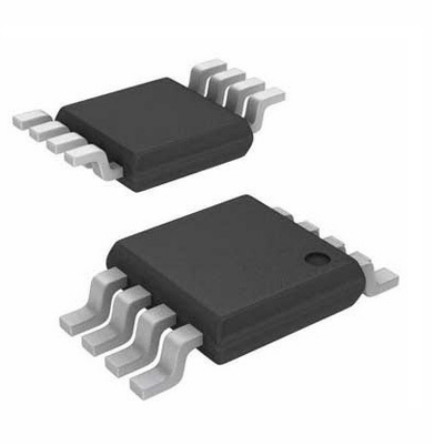
OP262HRUZ

Data Sheet

Analog Devices,, Op Amp, RRO, 15MHz, 3 → 9 V, 8-Pin TSSOP

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



Images are for reference only

Please submit RFQ for OP262HRUZ or Email to us: 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 µV (typical) and low noise, they are perfectly suited for precision filter applications and instrumentation. The low supply current of 500 µA (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°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 µV max

Low Noise: 9.5 nV/√Hz @ 1 kHz

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

Rail-to-Rail Output Swing

Low TCVOS: 1 µV/°C typ

High Slew Rate: 13 V/µs

See data sheet for additional features

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

Download(pdf)

Military temperature range (−55°C to +125°C)

Controlled manufacturing baseline

One assembly/test site

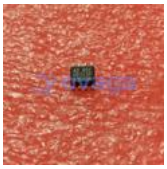
One fabrication site

Enhanced product change notification

See data sheet for additional features

V62/12639 DSCC Drawing number

Related Products



OP213F

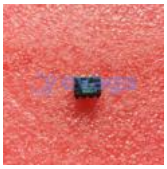
Analog Devices, Inc

SMD/DIP-8/SOP-8

OP42AZ

Analog Devices, Inc

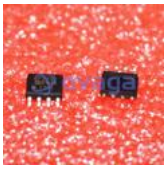
CDIP-8



OP27GP

Analog Devices, Inc

PDIP-8



OP37GS

Analog Devices, Inc

SOIC-8

[OP462GSZ]

Analog Devices, Inc

SOIC-14

[OP2177ARM]

Analog Devices, Inc

MSOP8

[OP467GPZ]

Analog Devices, Inc

PDIP-14

[OP400GPZ]

Analog Devices, Inc

PDIP-14