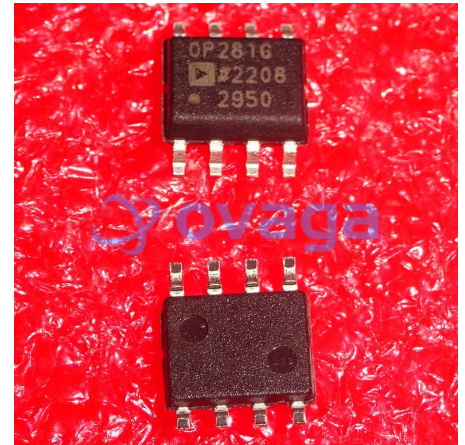


Operational Amplifier, Dual, 2 Amplifier, 105 kHz, 0.028 V/ $\mu$ s, 2.7V to 12V, SOIC, 8 Pins

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 OP281GSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OP281 and OP481 are dual and quad ultralow power single-supply amplifiers featuring rail-to-rail outputs. Each operates from supplies as low as 2.0 V and is specified at +3 V and +5 V single supplies as well as  $\pm 5$  V dual supplies.

Fabricated on Analog Devices' CBCMOS process, the OP281/OP481 feature a precision bipolar input and an output that swings to within millivolts of the supplies, continuing to sink or source current up to a voltage equal to the supply voltage.

Applications for these amplifiers include safety monitoring, portable equipment, battery and power supply control, and signal conditioning and interfacing for transducers in very low power systems.

The output's ability to swing rail-to-rail and not increase supply current when the output is driven to a supply voltage enables the OP281/OP481 to be used as comparators in very low power systems. This is enhanced by their fast saturation recovery time. Propagation delays are 250  $\mu$ s.

The OP281/OP481 are specified over the extended industrial temperature range ( $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ ). The OP281 dual amplifier is available in 8-lead SOIC surface-mount and TSSOP packages. The OP481 quad amplifier is available in narrow 14-lead SOIC and TSSOP packages.

## Features

Low supply current: 4  $\mu$ A/amplifier maximum

Single-supply operation: 2.7 V to 12 V

Wide input voltage range

Rail-to-rail output swing

Low offset voltage: 1.5 mV

No phase reversal

## Application

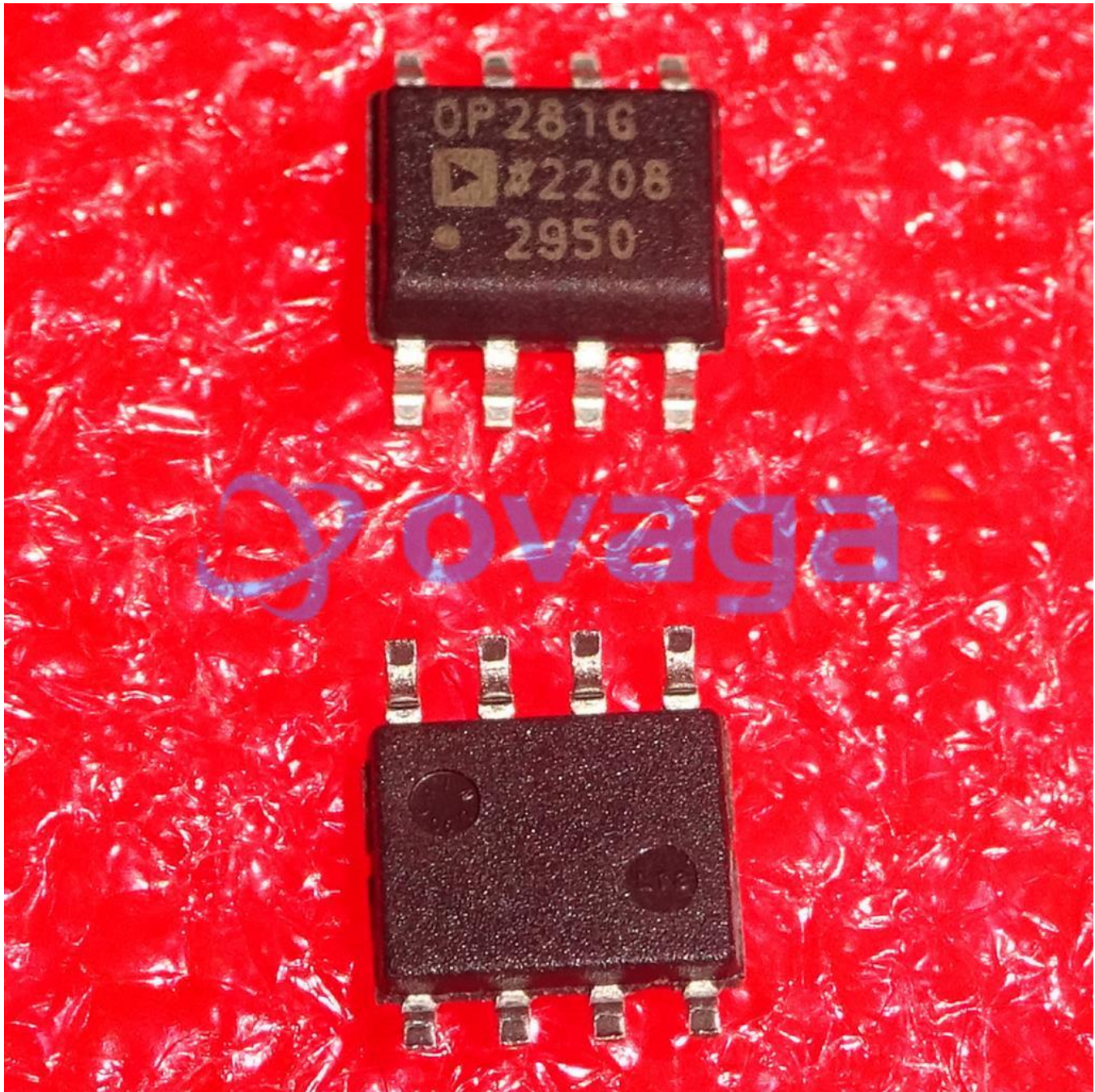
Comparator

Battery-powered instrumentation

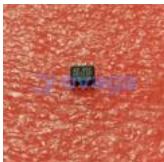
Safety monitoring

Remote sensors

Low voltage strain gage amplifiers



### Related Products



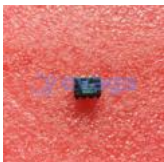
#### [OP213F](#)

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



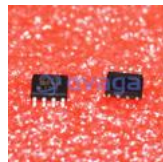
#### [OP42AZ](#)

Analog Devices, Inc  
CDIP-8



#### [OP27GP](#)

Analog Devices, Inc  
PDIP-8



#### [OP37GS](#)

Analog Devices, Inc  
SOIC-8



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[OP467GPZ](#)

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PDIP-14



[OP400GPZ](#)

Analog Devices, Inc  
PDIP-14