

Operational Amplifier, Dual, 2 Amplifier, 20 kHz, 0.012 V/ $\mu$ s, 1.6V to 36V, DIP, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	PDIP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for OP290GPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OP290 is a high performance micropower dual op amp that operates from a single supply of +1.6V to +36V or from dual supplies of  $\pm 0.8V$  to  $\pm 18V$ . Input voltage range includes the negative rail allowing the OP290 to accommodate input signals down to ground in single supply operation. The OP290's output swing also includes ground when operating from a single supply, enabling zero-in, zero-out operation.

The OP290 draws less than 20 $\mu$ A of quiescent supply current per amplifier, while able to deliver over 5mA of output current to a load. Input offset voltage is below 200 $\mu$ V eliminating the need for external nulling. Gain exceeds 700,000 and common-mode rejection is better than 100dB. The power supply rejection ratio supply rejection ratio of under 5.6 $\mu$ V/V minimizes offset voltage changes experienced in battery powered systems. The low offset voltage and high gain offered by the OP290 bring precision performance to micropower applications. The minimal voltage and current requirements of the OP290 suit it for battery and solar powered applications, such as portable instruments, remote sensors, and satellites. For a single op amp, see the OP90; for a quad, see the OP490.

## Features

Single-/Dual-Supply Operation, 1.6 V to 36 V,  $\pm 0.8$  V to  $\pm 18$  V

True Single-Supply Operation; Input and Output Voltage

Input/output ranges include ground

Low Supply Current (Per Amplifier), 20  $\mu$ A Max

High Output Drive, 5 mA Min

Low Input Offset Voltage, 200  $\mu$ V typical

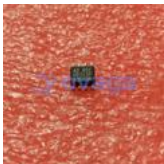
High Open-Loop Gain, 400 V/mV Min

Outstanding PSRR, 5.6  $\mu$ V/V Max

Industry Standard 8-Lead Dual Pinout

Available in Die Form

## Related Products



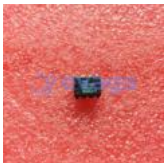
### [OP213F](#)

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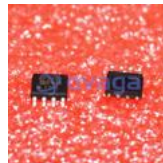
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