

Operational Amplifier, Ultraprecision, 1 Amplifier, 600 kHz, 0.3 V/ $\mu$ s, 6V to 44V, NSOIC, 8 Pins

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



Images are for reference only

Please submit RFQ for OP177GSZ-REEL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OP177 features one of the highest precision performance of any operational amplifier currently available. Offset voltage of the OP177 is only 25  $\mu$ V maximum at room temperature. The ultralow VOS of the OP177 combines with the exceptional offset voltage drift (TCVOS) of 0.3  $\mu$ V/ $^{\circ}$ C maximum to eliminate the need for external VOS adjustment and increases system accuracy over temperature.

The OP177 open-loop gain of 12 V/ $\mu$ V is maintained over the full  $\pm$ 10 V output range. CMRR of 130 dB minimum, PSRR of 120 dB minimum, and maximum supply current of 2 mA are just a few examples of the excellent performance of this operational amplifier. The combination of outstanding specifications of the OP177 ensures accurate performance in high closed-loop gain applications.

This low noise, bipolar input operational amplifier is also a cost effective alternative to chopper-stabilized amplifiers. The OP177 provides chopper-type performance without the usual problems of high noise, low frequency chopper spikes, large physical size, limited common-mode input voltage range, and bulky external storage capacitors.

The OP177 is offered in the  $-40^{\circ}$ C to  $+85^{\circ}$ C extended industrial temperature ranges. This product is available in 8-lead PDIP, as well as the space saving 8-lead SOIC.

## Features

Ultralow offset

Outstanding offset voltage drift 0.3  $\mu\text{V}/^\circ\text{C}$  maximum

Excellent open-loop gain and gain linearity

12  $\text{V}/\mu\text{V}$  typical

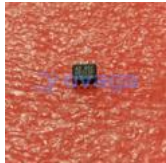
CMRR: 130 dB minimum

PSRR: 115 dB minimum

Low supply current 2.0 mA maximum

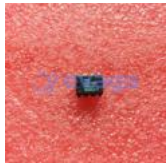
Fits industry-standard precision operational amplifier sockets

## Related Products



### [OP213F](#)

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



### [OP27GP](#)

Analog Devices, Inc  
PDIP-8



### [OP462GSZ](#)

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SOIC-14



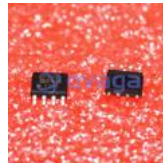
### [OP467GPZ](#)

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PDIP-14