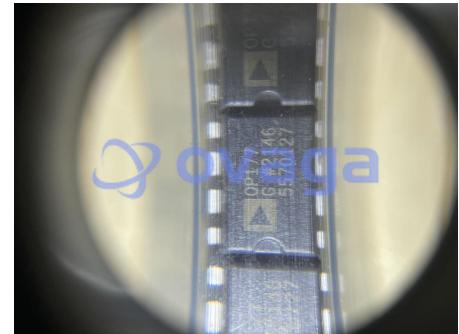


Precision Amplifiers ULTRA-PREC IC Low Supply Crnt 2mA

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



Images are for reference only

Please submit RFQ for OP177GPZ 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  $\mu\text{V}$  maximum at room temperature. The ultralow VOS of the OP177 combines with the exceptional offset voltage drift (TCVOS) of 0.3  $\mu\text{V}/^\circ\text{C}$  maximum to eliminate the need for external VOS adjustment and increases system accuracy over temperature.

The OP177 open-loop gain of 12  $\text{V}/\mu\text{V}$  is maintained over the full  $\pm 10\text{ V}$  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  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$  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

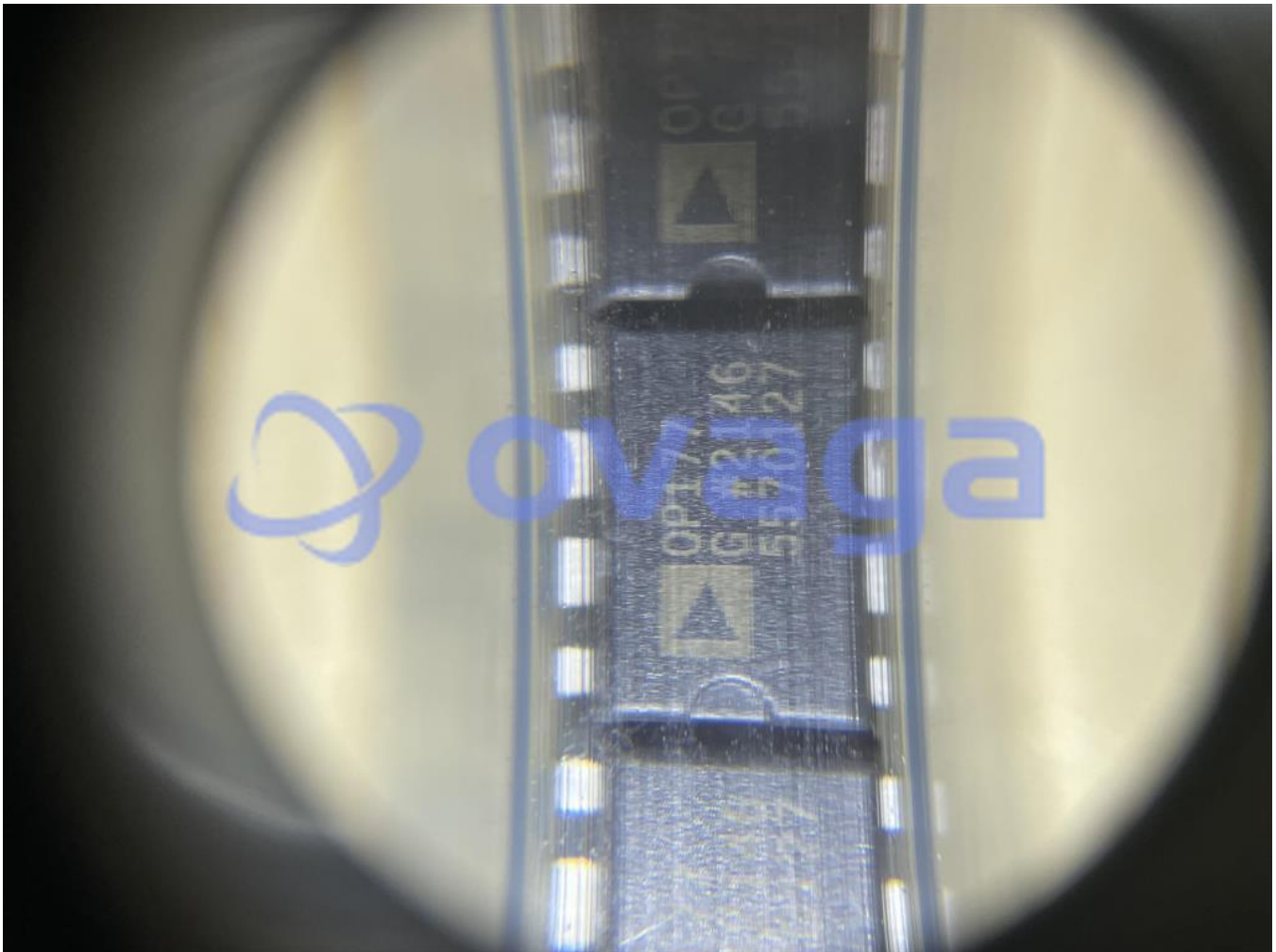
12 V/ $\mu\text{V}$  typical

CMRR: 130 dB minimum

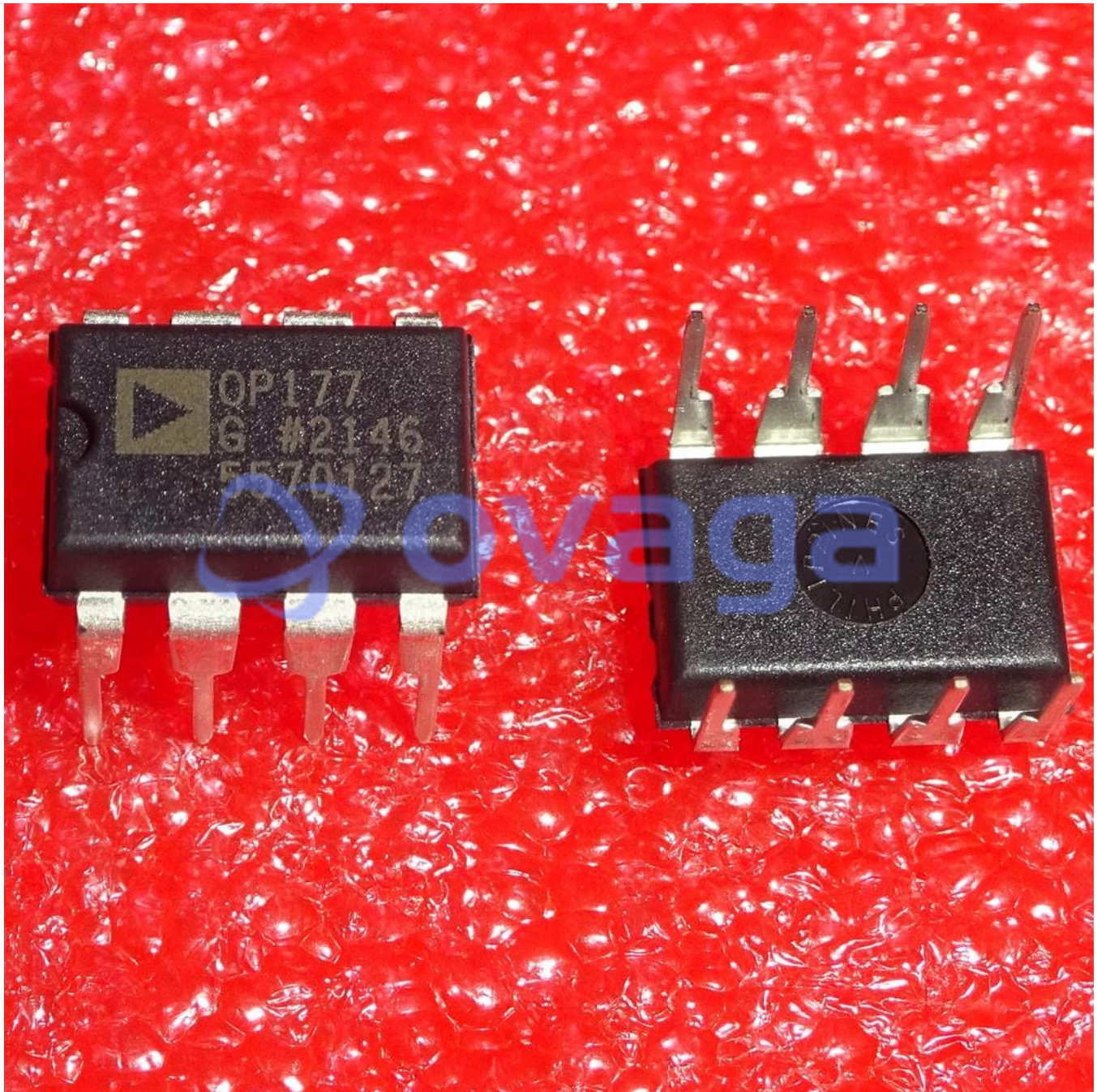
PSRR: 115 dB minimum

Low supply current 2.0 mA maximum

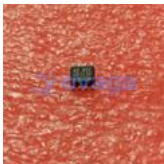
Fits industry-standard precision operational amplifier sockets





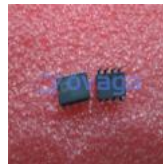


## Related Products



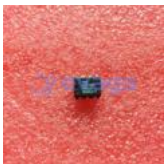
### [OP213F](#)

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



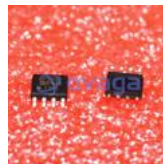
### [OP42AZ](#)

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