

Precision Amplifiers LOW OFFSET VTG OP AMP IC

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



Images are for reference only

Please submit RFQ for 5962-8773802PA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OP77 significantly advances the state-of-the-art in precision op amps. The outstanding gain of 10,000,000 or more for the OP77 is maintained over the full 10 V output range. This exceptional gain-linearity eliminates incorrectable system nonlinearities common in previous monolithic op amps and provides superior performance in high closed-loop gain applications. Low initial VOS drift and rapid stabilization time, combined with only 50 mW of power consumption, are significant improvements over previous designs. These characteristics, plus the exceptional TCVOS of 0.3  $\mu\text{V}/^\circ\text{C}$  maximum and the low VOS of 25  $\mu\text{V}$  maximum, eliminates the need for VOS adjustment and increases system accuracy over temperature.

PSRR of 3  $\mu\text{V}/\text{V}$  (110dB) and CMRR of 1.0  $\mu\text{V}/\text{V}$  maximum virtually eliminates errors caused by power supply drifts and common-mode signals. This combination of outstanding characteristics makes the OP77 ideally suited for high-resolution instrumentation and other tight error budget systems.

## Features

Outstanding gain linearity

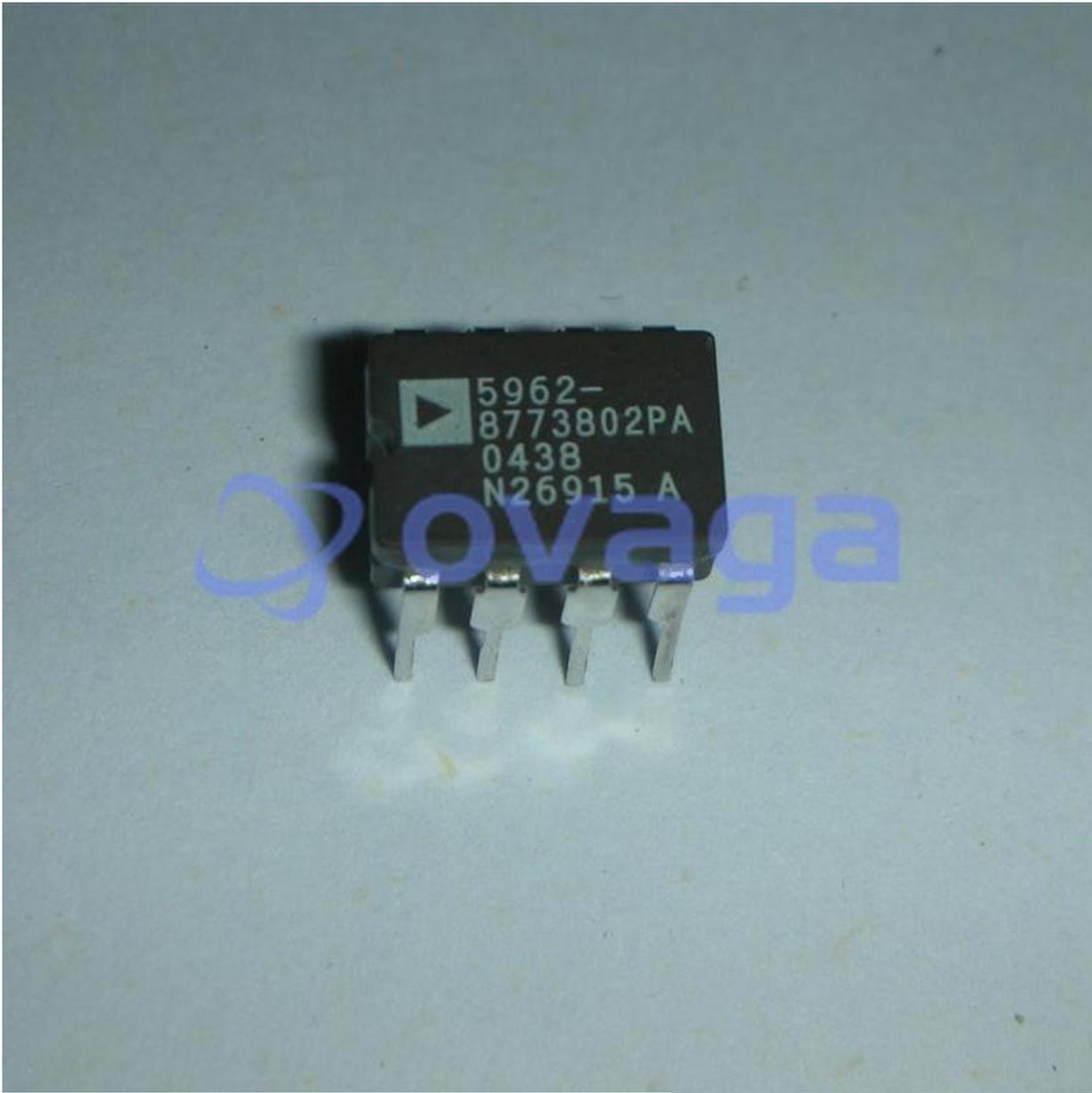
Ultrahigh gain, 5000 V/mV min

Low VOS over temperature, 55  $\mu\text{V}$  max

TCVOS, 0.3  $\mu\text{V}/^\circ\text{C}$  max

High PSRR, 3  $\mu\text{V}/\text{V}$  max

Available in die form



## PIN CONNECTIONS

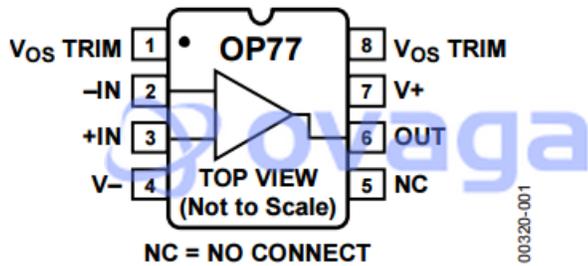


Figure 1. 8-Pin Hermetic  
DIP\_Q-8 (Z Suffix)

### Related Products



[HMC591LP5E](#)

Analog Devices, Inc  
QFN32



[AD8599ARZ](#)

Analog Devices, Inc  
SOIC-8



[5962-8777101MCA](#)

Analog Devices, Inc  
DIP14



[5962-8872101PA](#)

Analog Devices, Inc  
CDIP8



[5962-9151901MPA](#)

Analog Devices, Inc  
CDIP-8



[5962-8853801PA](#)

Analog Devices, Inc  
CDIP-8



[AD8592ARM](#)

Analog Devices, Inc  
MSOP-1



[AD594CD](#)

Analog Devices, Inc  
SOP