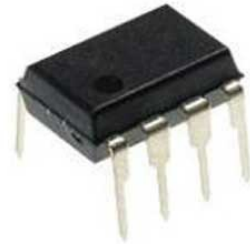


Operational Amplifier, Single, 1 Amplifier, 63 MHz, 17 V/ $\mu$ s,  $\pm 4$ V to  $\pm 18$ V, DIP, 8 Pins

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 OP37EPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OP37 provides the same high performance as the OP27, but the design is optimized for circuits with gains greater than five. This design change increases slew rate to 17V/ $\mu$ sec and gain-bandwidth product to 63MHz.

The OP37 provides the low offset and drift of the OP07 plus higher speed and lower noise. Offsets down to 25 $\mu$ V and drift of 0.6 $\mu$ V/ $^{\circ}$ C maximum make the OP-37 ideal for precision instrumentation applications. Exceptionally low noise>

The low input bias current of  $\pm 10$ nA and offset current of 7nA are achieved by using a bias-current-cancellation circuit. Over the military temperature range this typically holds IB and IOS to  $\pm 20$ nA and 15nA respectively.

The output stage has good load driving capability. A guaranteed swing of  $\pm 10$ V into 600 Ohm and low output distortion make the OP37 an excellent choice for professional audio applications.

## Features

Low Noise, 80 nV p-p (0.1 Hz to 10 Hz) 3 nV/√Hz @ 1 kHz

Low Drift, 0.2 μV/°C

High Speed, 17 V/μs Slew Rate 63 MHz Gain Bandwidth

Low Input Offset Voltage, 10 μV

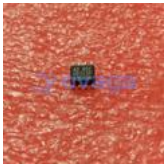
Excellent CMRR, 126 dB (Common-Voltage @ 11 V)

High Open-Loop Gain, 1.8 Million

Replaces 725, OP-07, SE5534 In Gains > 5

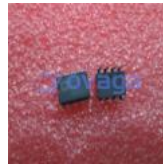
Available in Die Form

## Related Products



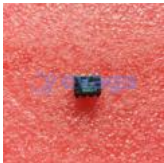
### [OP213F](#)

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



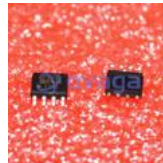
### [OP42AZ](#)

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