


## Op Amp Single Precision Amplifier $\pm 22V$ 8-Pin SOIC N Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	SOP8
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	NRND



Images are for reference only

[Inquiry](#)

### 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.

### Key Features

Low noise (80nVp-p (0.1 to 10Hz), 3nV/ $\sqrt$ Hz at 1kHz)

Low drift (0.2 $\mu$ V/ $^{\circ}$ C)

High speed

Low input offset voltage (10 $\mu$ V)

Excellent CMRR (126dB)

High open-loop gain (1.8 million)

Available in die form

### Recommended For You

**OP177GSZ**

Analog Devices, Inc  
SOP8

**OP284ESZ**

Analog Devices, Inc  
SOP8

**OP90GSZ**

Analog Devices, Inc  
SOP8

**OP27GPZ**

Analog Devices, Inc  
DIP8

**OP06EZ**

Analog Devices, Inc  
CDIP8

**OP06BJ**

Analog Devices, Inc  
CAN

**OP06GZ**

Analog Devices, Inc  
CDIP8

**OP06FJ**

Analog Devices, Inc  
CAN

**OP06AJ**

Analog Devices, Inc  
CAN8

**OP06FZ**

Analog Devices, Inc  
CDIP8

**AD8309ARUZ**

Analog Devices, Inc  
TSSOP16

**AD524BDZ**

Analog Devices, Inc  
CDIP-16

**AMP02FPZ**

Analog Devices, Inc  
DIP8

**AD8221BR**

Analog Devices, Inc  
SOP-8

**AD8221ARZ**

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