


Op Amp Single Low Noise Amplifier $\pm 22V$ 8-Pin PDIP N Tube

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| Manufacturer: | Analog Devices, Inc |
| Package/Case: | DIP8 |
| Product Type: | Amplifier ICs |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | NRND |



Images are for reference only

[Inquiry](#)

General Description

A low input bias current of ± 10 nA is achieved by use of a bias current cancellation circuit. Over the military temperature range, this circuit typically holds IB and IOS to ± 20 nA and 15 nA, respectively.

The output stage has good load driving capability. A guaranteed swing of ± 10 V into 600 Ω and low output distortion make the OP27 an excellent choice for professional audio applications.

PSRR and CMRR exceed 120 dB. These characteristics, coupled with long-term drift of 0.2 μ V/month, allow the circuit designer to achieve performance levels previously attained only by discrete designs.

Low cost, high volume production of OP27 is achieved by using an on-chip Zener zap-trimming network. This reliable and stable offset trimming scheme has proven its effectiveness over many years of production history.

The OP27 provides excellent performance in low noise, high accuracy amplification of low level signals. Applications include stable integrators, precision summing amplifiers, precision voltage threshold detectors, comparators, and professional audio circuits such as tape heads and microphone preamplifiers.

Key Features

80nV p-p (0.1 Hz to 10 Hz), 3nV/ $\sqrt{\text{Hz}}$ Low noise

0.2 μ V/ $^{\circ}\text{C}$ Low drift

10 μ V Low VOS

126dB at VCM of ± 11 V Excellent CMRR

1.8 million High open-loop gain

Recommended For You

OP177GSZ

Analog Devices, Inc

SOP8

OP284ESZ

Analog Devices, Inc

SOP8

OP90GSZ

Analog Devices, Inc

SOP8

OP37GSZ

Analog Devices, Inc
SOP8

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

Analog Devices, Inc
SOP8