

INST Amp Single $\pm 18V$ 16-Pin SBCDIP Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	DIP
Product Type:	Amplifier ICs
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The AD624 is a high precision, low noise, instrumentation amplifier designed primarily for use with low level transducers, including load cells, strain gauges and pressure transducers. A combination of low noise, high gain accuracy, low gain temperature coefficient and high linearity make the AD624 ideal for use in high resolution data acquisition systems.

The AD624C has an input offset voltage drift of less than $0.25 \mu V/^{\circ}C$, output offset voltage drift of less than $10 \mu V/^{\circ}C$, CMRR above 80 dB at unity gain (130 dB at $= 1$). In addition to these outstanding dc specifications, the AD624 exhibits superior ac performance as well. A 25 MHz gain bandwidth product, 5 V/ μs slew rate and 15 μs settling time permit the use of the AD624 in high speed data acquisition applications.

The AD624 does not need any external components for trimmed gains of 1, 100, 200, 500 and 1000. Additional gains such as 250 and 333 can be programmed within one percent accuracy with external jumpers. A single external resistor can also be used to set the 624's gain to any value in the range of 1 to 10,000.

Key Features

Low Noise: 0.2 μV p-p 0.1 Hz to 10 Hz

Low Gain TC: 5 ppm max>

Low Nonlinearity: 0.001% max>

High CMRR: 130 dB min>

Pin Programmable Gains of 1, 100, 200, 500, 1000

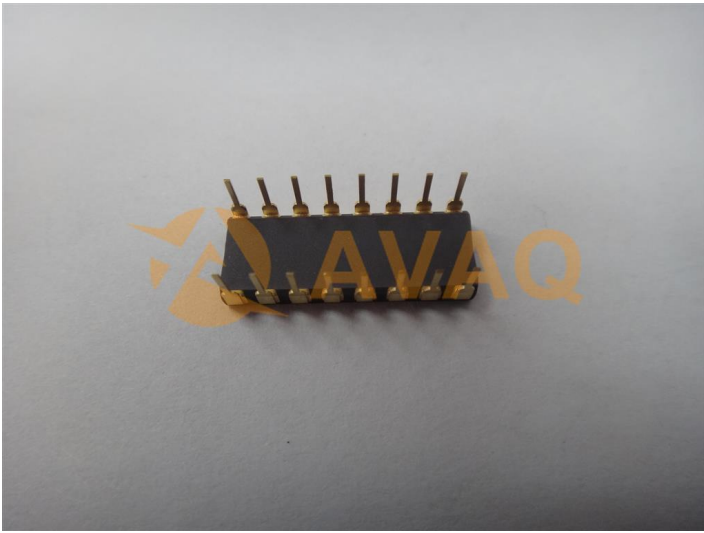
Low Input Offset Voltage: 25 μV , max

Low Input Offset Voltage Drift: $0.25 \mu V/^{\circ}C$ max

Gain Bandwidth Product: 25 MHz

No External Components Required

Internally Compensated



Recommended For You

AD8309ARUZ

Analog Devices, Inc
TSSOP-16

AD524BDZ

Analog Devices, Inc
CDIP-16

AD8221BR

Analog Devices, Inc
SOP-8

AD8221ARZ

Analog Devices, Inc
SOP8

AD627BRZ

Analog Devices, Inc
SOP8

AD622ANZ

Analog Devices, Inc
DIP8

ADA4930-2YCPZ-R7

Analog Devices, Inc
LFCSP24

AD8034ARZ

Analog Devices, Inc
SOP8

AD8561ARZ

Analog Devices, Inc
SOP8

AD633JRZ

Analog Devices, Inc
SOP8

AD632AH

Analog Devices, Inc
CAN10

AD8422BRZ

Analog Devices, Inc
SOP8

ADCMP600BKSZ-R2

Analog Devices, Inc
SC70-5

AD620BN

Analog Devices, Inc
DIP8

AD620BR

Analog Devices, Inc
SOP