

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

Manufacturer:	Analog Devices, Inc
Package/Case:	SOP16
Product Type:	Amplifier ICs
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

Laser trimming reduces the input offset voltage to under 100 μV . Output offset voltage is below 4 mV and gain accuracy is better than 0.5% for gain of 1000. PMI's proprietary thin-film resistor process keeps the gain temperature coefficient under 50 ppm/ $^{\circ}C$.

Due to the AMP-02's design, its bandwidth remains very high over a wide range of gain. Slew rate is over 4V/ μS making the AMP-02 ideal for fast data acquisition systems.

A reference pin is provided to allow the output to be referenced to an external DC level. This pin may be used for offset correction or level shifting as required. In the 8-pin package, sense is internally connected to the output.

For an instrumentation amplifier with the highest precision, consult the AMP-01 data sheet.

Key Features

Low Offset Voltage: 100 μV max

Low Drift: 2 $\mu V/^{\circ}C$ max

Wide Gain Range: 1 to 10,000

High Common-Mode Rejection: 115 dB min

High Bandwidth

Gain Equation Accuracy: 0.5% max

Single Resistor Gain Set

Input Overvoltage Protection

Low Cost

Available in Die Form

Recommended For You

AMP02FPZ

Analog Devices, Inc
DIP8

AMP02EP

Analog Devices, Inc
DIP8

AMP01FX

Analog Devices, Inc
DIP

AMP04ESZ

Analog Devices, Inc
SOP-8

HTC-0300AM/883B

Analog Devices, Inc
DIP

AMP04FSZ

Analog Devices, Inc
SOP8

AMP03GPZ

Analog Devices, Inc
DIP

AMP01EX

Analog Devices, Inc
CDIP18

AMP04EPZ

Analog Devices, Inc
DIP8

AMP04FPZ

Analog Devices, Inc
DIP8

AMP02FP

Analog Devices, Inc
DIP8

AMP02EPZ

Analog Devices, Inc
DIP8

AMP02FSZ

Analog Devices, Inc
SOP16

AMP01AX

Analog Devices, Inc
DIP

AMP02FSZ-reel

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SOP-16