

## INST Amp Single $\pm 18V$ 8-Pin PDIP N Tube



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** DIP8

**Product Type:** Amplifier ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

Laser trimming reduces the input offset voltage to under 100  $\mu V$ . 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/ $\mu S$  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

Single resistor gain set

Input overvoltage protection

2 $\mu V/^{\circ}C$  Maximum low drift

0.5% Maximum gain equation accuracy

### 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

**AMP02FS**

Analog Devices, Inc  
SOP16

**AMP01EX**

Analog Devices, Inc  
CDIP18

**AMP04EPZ**

Analog Devices, Inc  
DIP8

**AMP04FPZ**

Analog Devices, Inc  
DIP8

**AMP02FP**

Analog Devices, Inc  
DIP8

**AMP02FSZ**

Analog Devices, Inc  
SOP16

**AMP01AX**

Analog Devices, Inc  
DIP

**AMP02FSZ-reel**

Analog Devices, Inc  
SOP-16