

## Video Amp Dual 100MHz±18V 8-Pin SOIC Tube

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** SOP

**Product Type:** Amplifier ICs

**Lifecycle:** NRND



Images are for reference only

[Inquiry](#)

### General Description

The LM6172 is a dual high speed voltage feedback amplifier. It is unity-gain stable and provides excellent DC and AC performance. With 100MHz unity-gain bandwidth, 3000V/ $\mu$ s slew rate and 50mA of output current per channel, the LM6172 offers high performance in dual amplifiers; yet it only consumes 2.3mA of supply current each channel.

The LM6172 operates on  $\pm$ 15V power supply for systems requiring large voltage swings, such as ADSL, scanners and ultrasound equipment. It is also specified at  $\pm$ 5V power supply for low voltage applications such as portable video systems.

The LM6172 is built with TI's advanced VIP III (Vertically Integrated PNP) complementary bipolar process. See the LM6171 datasheet for a single amplifier with these same features.

### Key Features

Easy to Use Voltage Feedback Topology

High Slew Rate 3000V/ $\mu$ s

Wide Unity-Gain Bandwidth 100MHz

Low Supply Current 2.3mA/Channel

High Output Current 50mA/channel

Specified for  $\pm$ 15V and  $\pm$ 5V Operation

### Recommended For You

#### **LM311MX**

Texas Instruments, Inc

SOP8

#### **LMV7219MS**

Texas Instruments, Inc

SOT23-5

#### **LM348D**

Texas Instruments, Inc

SOP-14

**LM224N**

Texas Instruments, Inc  
DIP14

**LM239J**

Texas Instruments, Inc  
CDIP14

**LMV331M5**

Texas Instruments, Inc  
SOT23-5

**LM393ADR**

Texas Instruments, Inc  
SOP8

**LM293DR**

Texas Instruments, Inc  
SOP8

**LM293D**

Texas Instruments, Inc  
SOP8

**LMV824MIX**

Texas Instruments, Inc  
TSSOP

**LMV358M**

Texas Instruments, Inc  
SOP8

**LMV321M5**

Texas Instruments, Inc  
SOT23-5

**LM741H**

Texas Instruments, Inc  
CAN8

**LMI93AH**

Texas Instruments, Inc  
CAN8

**LMI11H/NOPB**

Texas Instruments, Inc  
CAN8