

## Video Amp Single Volt $\pm 17\text{V}/34\text{V}$ 8-Pin PDIP Rail



Images are for reference only

[Inquiry](#)

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

**Package/Case:** DIP8

**Product Type:** Amplifier ICs

**Lifecycle:** Obsolete

### General Description

The LM6171 is a high speed unity-gain stable voltage feedback amplifier. It offers a high slew rate of  $3600\text{V}/\mu\text{s}$  and a unity-gain bandwidth of 100 MHz while consuming only 2.5 mA of supply current. The LM6171 has very impressive AC and DC performance which is a great benefit for high speed signal processing and video applications.

The  $\pm 15\text{V}$  power supplies allow for large signal swings and give greater dynamic range and signal-to-noise ratio. The LM6171 has high output current drive, low SFDR and THD, ideal for ADC/DAC systems. The LM6171 is specified for  $\pm 5\text{V}$  operation for portable applications.

The LM6171 is built on TI's advanced VIP III (Vertically Integrated PNP) complementary bipolar process.

### Key Features

Easy-To-Use Voltage Feedback Topology

Very High Slew Rate:  $3600\text{V}/\mu\text{s}$

Wide Unity-Gain-Bandwidth Product: 100 MHz

3dB Frequency @  $AV = +2$ : 62 MHz

Low Supply Current: 2.5 mA

High CMRR: 110 dB

High Open Loop Gain: 90 dB

Specified for  $\pm 15\text{V}$  and  $\pm 5\text{V}$  Operation

### Recommended For You

**LM311MX**

Texas Instruments, Inc  
SOP8

**LMV7219M5**

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

**LM193AH**

Texas Instruments, Inc  
CAN8

**LM111H/NOPB**

Texas Instruments, Inc  
CAN8