

Op Amp Dual High Voltage Amplifier $\pm 15V/30V$ 8-Pin SOIC Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOIC8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The THS3061 (single) and THS3062 (dual) are high-voltage, high slew-rate current feedback amplifiers utilizing Texas Instruments' BICOM-1 process. Designed for low-distortion with a high slew rate of 7000 V/ μ s, the THS306x amplifiers are ideally suited for applications requiring large, linear output signals such as video line drivers and VDSL line drivers.

The THS3061 and THS3062 provide well-regulated ac performance characteristics with power supplies ranging from ± 5 -V operation up to ± 15 -V supplies. Most notably, the 0.1-dB flat bandwidth is exceedingly high, reaching beyond 100 MHz, and the THS306x has less than 0.3 dB of peaking in the frequency response when configured in unity gain. The unity-gain bandwidth of 300 MHz provides excellent distortion characteristics at 10 MHz. The flexibility of the current-feedback design allows a 220-MHz, -3-dB bandwidth in a gain of 10, indicating excellent performance even at high gains.

The THS306x consumes 8.3 mA per-channel quiescent current at room temperature, and has the capability of producing up to ± 145 mA of output current. The THS3061 is packaged in an 8-pin SOIC and an 8-pin MSOP with PowerPAD. The THS3062 is available in an 8-pin SOIC with PowerPAD and an 8-pin MSP with PowerPAD.

Key Features

Unity Gain Bandwidth: 300 MHz

0.1-dB Bandwidth: 120 MHz (G = 2)

High Slew Rate: 7000 V/ μ s

HD3 at 10 MHz: -81 dBc (G = 2, RL = 150)

High Output Current: \pm 145 mA into 50

Power-Supply Voltage Range: \pm 5 V to \pm 15 V

APPLICATIONS

High-Speed Signal Processing

Test and Measurement Systems

VDSL Line Driver

High-Voltage ADC Preamplifier

Video Line Driver

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Recommended For You

THS3092D

Texas Instruments, Inc

SOP-8

THS7316DR

Texas Instruments, Inc

SOP-8

THS4131IDGNR

Texas Instruments, Inc

MSOP8

THS4011CD

Texas Instruments, Inc

SOP

THS7374IPW

Texas Instruments, Inc

TSSOP14

THS6184RHFR

Texas Instruments, Inc

QFN

THS4503IDGN

Texas Instruments, Inc

MSOP8

THS7376IPWR

Texas Instruments, Inc

TSSOP14

THS7314D

Texas Instruments, Inc

SOP8

THS4130IDGK

Texas Instruments, Inc
MSOP8

THS7353PW

Texas Instruments, Inc
TSSOP20

THS4551IRGTR

Texas Instruments, Inc
VQFN16

THS4281D

Texas Instruments, Inc
SOIC-8

THS4631D

Texas Instruments, Inc
SOP-8

THS3061DGN

Texas Instruments, Inc
MSOP8