


## Op Amp Single High Voltage Amplifier $\pm 45V$ 8-Pin TO-99 Tube

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	CAN
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

### General Description

The OPA445 is a monolithic operational amplifier capable of operation from power supplies up to  $\pm 45V$  and output currents of 15mA. It is useful in a wide variety of applications requiring high output voltage or large common-mode voltage swings.

The OPA445's high slew rate provides wide powerbandwidth response, which is often required for high-voltage applications. FET input circuitry allows the use of high-impedance feedback networks, thus minimizing their output loading effects. Laser trimming of the input circuitry yields low input offset voltage and drift.

The OPA445 is available in standard pinout TO-99, DIP-8, and SO-8 surface-mount packages as well as an SO-8 PowerPAD package for reducing junction temperature. It is fully specified from  $-25^{\circ}C$  to  $+85^{\circ}C$  and operates from  $-55^{\circ}C$  to  $+125^{\circ}C$ . A SPICE macromodel is available for design analysis (from [www.ti.com](http://www.ti.com)).

## Key Features

WIDE-POWER SUPPLY RANGE:  $\pm 10\text{V}$  to  $\pm 45\text{V}$

HIGH SLEW RATE:  $15\text{V}/\mu\text{s}$

LOW INPUT BIAS CURRENT:  $10\text{pA}$

STANDARD-PINOUT TO-99, DIP, SO-8 PowerPAD?, AND SO-8 SURFACE-MOUNT PACKAGES

APPLICATIONS  
TEST EQUIPMENT

HIGH-VOLTAGE REGULATORS

POWER AMPLIFIERS

DATA ACQUISITION

SIGNAL CONDITIONING

AUDIO

PIEZO DRIVERS

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## Recommended For You

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**OPA1611AIDR**

Texas Instruments, Inc  
SOP8

**OPA388QDBVRQ1**

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SOT23-5

**OPA2365AQDRQ1**

Texas Instruments, Inc  
SOP8

**OPA334AIDBVR**

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SOT23-6

**OPA2835IDCSR**

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MSOP10

**OPA656U**

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SOP8

**OPA360AIDCKR**

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