


SP Amp DIFF AMP Single $\pm 16.5V/33V$ 8-Pin HVSSOP EP T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	MSOP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The THS413x device is one in a family of fully-differential input/differential output devices fabricated using Texas Instruments' state-of-the-art BiComI complementary bipolar process.

The THS413x is made of a true fully-differential signal path from input to output. This design leads to an excellent common-mode noise rejection and improved total harmonic distortion.

Key Features

High Performance

150 MHz, -3 dB Bandwidth ($V_{CC} = \pm 15\text{ V}$)

51 V/ μs Slew Rate

-100 dB Third Harmonic Distortion at 250 kHz

Low Noise

1.3 nV/ $\sqrt{\text{Hz}}$ Input-Referred Noise

Differential-Input/Differential-Output

Balanced Outputs Reject Common-Mode Noise

Reduced Second-Harmonic Distortion Due to Differential Output

Wide Power-Supply Range

$V_{CC} = 5\text{ V}$ Single Supply to $\pm 15\text{ V}$ Dual Supply

$I_{CC}(\text{SD}) = 860\ \mu\text{A}$ in Shutdown Mode (THS4130)

APPLICATIONS

Single-Ended To Differential Conversion

Differential ADC Driver

Differential Antialiasing

Differential Transmitter And Receiver

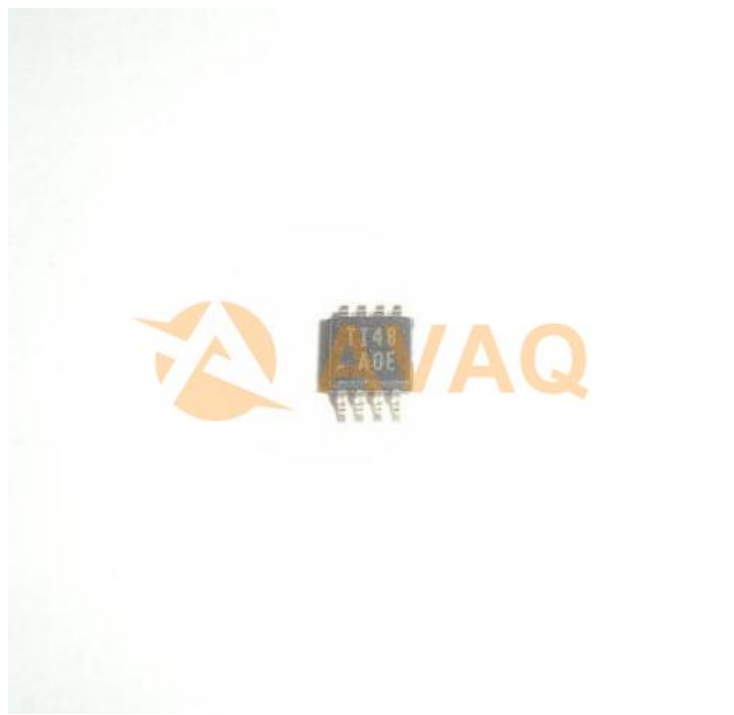
Output Level Shifter

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Recommended For You

THS3092D

Texas Instruments, Inc
SOP-8

THS7316DR

Texas Instruments, Inc
SOP-8

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

THS4551IRGIR

Texas Instruments, Inc
VQFN16

THS4281D

Texas Instruments, Inc
SOIC-8

THS4631D

Texas Instruments, Inc
SOP-8

THS3061DGN

Texas Instruments, Inc
MSOP8

THS3062D

Texas Instruments, Inc
SOIC8