

SP Amp DIFF AMP Single $\pm 7.5V/15V$ 8-Pin SOIC Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOIC-8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The THS4504 and THS4505 are high-performance, fully differential amplifiers from Texas Instruments. The THS4504, featuring power-down capability, and the THS4505, without power-down capability, set new performance standards for fully differential amplifiers with unsurpassed linearity, supporting 12-bit operation through 40 MHz. Package options include the SOIC-8 and the MSOP-8 with PowerPAD for a smaller footprint, enhanced ac performance, and improved thermal dissipation capability.

Key Features

Fully Differential Architecture

Bandwidth: 260 MHz

Slew Rate: 1800 V/ μ s

IMD3: -73 dBc at 30 MHz

OIP3: 29 dBm at 30 MHz

Output Common-Mode Control

Wide Power-Supply Voltage Range: 5 V, \pm 5 V, 12 V, 15 V

Input Common-Mode Range Shifted to Include the Negative Power-Supply Rail

Power-Down Capability (THS4504)

Evaluation Module Available

APPLICATIONS

High Linearity Analog-to-Digital Converter Preamplifier

Wireless Communication Receiver Chains

Single-Ended to Differential Conversion

Differential Line Driver

Active Filtering of Differential Signals

PowerPAD is a trademark of Texas Instruments, Incorporated. All other trademarks are the property of their respective owners

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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