

## 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 THS4502 and THS4503 are high-performance fully differential amplifiers from Texas Instruments. The THS4502, featuring power-down capability, and the THS4503, without power-down capability, set new performance standards for fully differential amplifiers with unsurpassed linearity, supporting 14-bit operation through 40 MHz. Package options include the 8-pin SOIC and the 8-pin MSOP with PowerPAD for a smaller footprint, enhanced ac performance, and improved thermal dissipation capability.

### Key Features

Fully Differential Architecture

Bandwidth: 370 MHz

Slew Rate: 2800 V/ $\mu$ s

IMD3: -95 dBc at 30 MHz

OIP3: 51 dBm at 30 MHz

Output Common-Mode Control

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

Centered Input Common-Mode Range

Power-Down Capability (THS4502)

Evaluation Module Available

#### Description

The THS4502 and THS4503 are high-performance fully differential amplifiers from Texas Instruments. The THS4502, featuring power-down capability, and the THS4503, without power-down capability, set new performance standards for fully differential amplifiers with unsurpassed linearity, supporting 14-bit operation through 40 MHz. Package options include the 8-pin SOIC and the 8-pin MSOP with PowerPAD for a smaller footprint, enhanced ac performance, and improved thermal dissipation capability.

## 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

### **THS4551IRGIR**

Texas Instruments, Inc  
VQFN16

### **THS4281D**

Texas Instruments, Inc  
SOIC-8

### **THS4631D**

Texas Instruments, Inc  
SOP-8

### **THS3061DGN**

Texas Instruments, Inc  
MSOP8