

Op Amp Single Low Noise Amplifier $\pm 15V/30V$ 8-Pin SOIC Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOP-8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: LTB

General Description

The TL07xx JFET-input operational amplifiers incorporate well-matched, high-voltage JFET and bipolar transistors in a monolithic integrated circuit. The devices feature high slew rates, low-input bias and offset currents, and low offset-voltage temperature coefficient. The low harmonic distortion and low noise make the TL07x series ideally suited for high-fidelity and audiopre-amplifier applications. The TL071 device has offset pins to support external input offset correction.

Key Features

Low Power Consumption

Wide Common-Mode and Differential Voltage Ranges

Low Input Bias and Offset Currents

Output Short-Circuit Protection

Low Total Harmonic Distortion: 0.003% (Typical)

Low Noise $V_n = 18 \text{ nV}/\sqrt{\text{Hz}}$ (Typical) at $f = 1 \text{ kHz}$

High-Input Impedance: JFET Input Stage

Internal Frequency Compensation

Latch-Up-Free Operation

High Slew Rate: $13 \text{ V}/\mu\text{s}$ (Typical)

Common-Mode Input Voltage Range Includes V_{CC+}

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Recommended For You

TLC27M2CP

Texas Instruments, Inc
DIP8

TLV3501AIDR

Texas Instruments, Inc
SOP8

TL071ACP

Texas Instruments, Inc
DIP-8

TL062CDR

Texas Instruments, Inc
SOP8

TLE2142IP

Texas Instruments, Inc
DIP8

TLC272AID

Texas Instruments, Inc
SOP-8

TLV3502AQDCNRQ1

Texas Instruments, Inc
SOT23-8

TL084CD

Texas Instruments, Inc
SOP14

TLV2711IDBVR

Texas Instruments, Inc
SOT23-5

TLC074CD

Texas Instruments, Inc
SOP14

TLC2272ACD

Texas Instruments, Inc
SOP-8

TLC2272AIDR

Texas Instruments, Inc
SOP8

TLV2462ID

Texas Instruments, Inc
SOP-8

TLV2471QDBVRQ1

Texas Instruments, Inc
SOT23-5

TLV2381IDBVR

Texas Instruments, Inc
SOT23-5