

Audio Amp Speaker 2-CH Stereo Class-AB 8-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: DIP8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

Key Features

Dual-Supply Operation: $\pm 5\text{ V}$ to $\pm 18\text{ V}$

Low Noise Voltage: $4.5\text{ nV}/\sqrt{\text{Hz}}$

Low Input Offset Voltage: 0.15 mV

Low Total Harmonic Distortion: 0.002%

High Slew Rate: $7\text{ V}/\mu\text{s}$

High-Gain Bandwidth Product: 16 MHz

High Open-Loop AC Gain: 800 at 20 kHz

Large Output-Voltage Swing: -14.6 V to 14.1 V

Excellent Gain and Phase Margins

Available in 8-Terminal MSOP Package ($3.0\text{ mm} \times 4.9\text{ mm} \times 0.65\text{ mm}$)

APPLICATIONS

HiFi Audio System Equipment

Preamplification and Filtering

Set-Top Box

Microphone Preamplifier Circuit

General-Purpose Amplifier Applications

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Description

The LM833 device is a dual operational amplifier with high-performance specifications for use in quality audio and data-signal applications. Dual amplifiers are utilized widely in audio circuits optimized for all preamp and high level stages in PCM and HiFi systems. The LM833 device is pin-for-pin compatible with industry-standard dual operation amplifiers. With addition of a preamplifier, the gain of the power stage can be greatly reduced to improve performance.

Recommended For You

LM833DR

Texas Instruments, Inc

SOP-8

LM4871M

Texas Instruments, Inc

SOP-8

LM4861M

Texas Instruments, Inc

SOP8

LM833N/NOPB

Texas Instruments, Inc

DIP-8

LM4808MM/NOPB

Texas Instruments, Inc

MSOP8

LM4861MX

Texas Instruments, Inc

SOP8

LM4667MM/NOPB

Texas Instruments, Inc

TSSOP

LM1875T/LF02

Texas Instruments, Inc

TO-220-5

LM4871MX/NOPB

Texas Instruments, Inc

SOP8

LM4890M/NOPB

Texas Instruments, Inc
SOP8

LM4890MM/NOPB

Texas Instruments, Inc
MSOP8

LM4562MA/NOPB

Texas Instruments, Inc
SOP-8

LM1875T/LB05

Texas Instruments, Inc
TO-220-5

LM833M

Texas Instruments, Inc
SOP8

LM833M/NOPB

Texas Instruments, Inc
SOP8