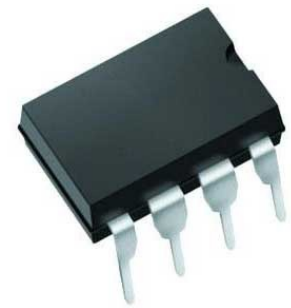


Audio Amp Speaker 2-CH Stereo Class-AB 8-Pin PDIP Tube



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

The LM4562 is part of the ultra-low distortion, low-noise, high-slew-rate operational amplifier series optimized and fully specified for high-performance, high-fidelity applications. The LM4562 audio operational amplifiers deliver superior audio signal amplification for outstanding audio performance. The LM4562 combines extremely low voltage noise density ($2.7\text{nV}/\sqrt{\text{Hz}}$) with vanishingly low THD+N (0.00003%) to easily satisfy the most demanding audio applications. To ensure that the most challenging loads are driven without compromise, the LM4562 has a high slew rate of $\pm 20\text{V}/\mu\text{s}$ and an output current capability of $\pm 26\text{mA}$. Further, dynamic range is maximized by an output stage that drives $2\text{k}\Omega$ loads to within 1V of either power supply voltage and to within 1.4V when driving 600Ω loads.

The LM4562's outstanding CMRR (120dB), PSRR (120dB), and VOS (0.1mV) give the amplifier excellent operational amplifier DC performance.

The LM4562 has a wide supply range of $\pm 2.5\text{V}$ to $\pm 17\text{V}$. Over this supply range the LM4562's input circuitry maintains excellent common-mode and power supply rejection, as well as maintaining its low input bias current. The LM4562 is unity gain stable. This Audio Operational Amplifier achieves outstanding AC performance while driving complex loads with values as high as 100pF .

The LM4562 is available in an 8-lead narrow body SOIC, an 8-lead PDIP, and an 8-lead TO-99.

Key Features

Easily Drives 600Ω Loads

Optimized for Superior Audio Signal Fidelity

Output Short Circuit Protection

PSRR and CMRR Exceed 120dB (Typ)

SOIC, PDIP, and TO-99 Packages

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

LM833P

Texas Instruments, Inc
DIP8

LM4562MA/NOPB

Texas Instruments, Inc
SOP-8

LM1875T/LB05

Texas Instruments, Inc
TO-220-5

LM833M

Texas Instruments, Inc
SOP8