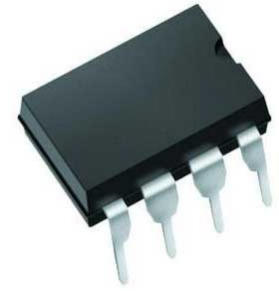


**Audio Amp Speaker 1-CH Mono 2.5W Class-AB 8-Pin PDIP
Tube**

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 LM380 is a power audio amplifier for consumer applications. In order to hold system cost to a minimum, gain is internally fixed at 34 dB. A unique input stage allows ground referenced input signals. The output automatically self-centers to one-half the supply voltage.

The output is short circuit proof with internal thermal limiting. The package outline is standard dual-in-line. The LM380N uses a copper lead frame. The center three pins on either side comprise a heat sink. This makes the device easy to use in standard PC layouts.

Uses include simple phonograph amplifiers, intercoms, line drivers, teaching machine outputs, alarms, ultrasonic drivers, TV sound systems, AM-FM radio, small servo drivers, power converters, etc.

A selected part for more power on higher supply voltages is available as the LM384. For more information see SNAA086.

Key Features

Wide supply voltage range

Low quiescent power drain

Voltage gain fixed at 50

High peak current capability

Input referenced to GND

High input impedance

Low distortion

Quiescent output voltage is at one-half of the supply voltage

Green product and no Sb/Br

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