


Audio Amp Speaker 1-CH Mono Class-AB 8-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The OPA1611 (single) and OPA1612 (dual) bipolar-input operational amplifiers achieve very low 1.1-nV/ $\sqrt{\text{Hz}}$ noise density with an ultralow distortion of 0.000015% at 1 kHz. The OPA1611 and OPA1612 offer rail-to-rail output swing to within 600 mV with a 2-k Ω load, which increases headroom and maximizes dynamic range. These devices also have a high output drive capability of ± 30 mA.

These devices operate over a very wide supply range of ± 2.25 V to ± 18 V, on only 3.6 mA of supply current per channel. The OPA1611 and OPA1612 op amps are unity-gain stable and provide excellent dynamic behavior over a wide range of load conditions.

The dual version features completely independent circuitry for lowest crosstalk and freedom from interactions between channels, even when overdriven or overloaded.

Both the OPA1611 and OPA1612 are available in SOIC-8 packages and the OPA1612 is available in SON-8. These devices are specified from -40°C to $+85^{\circ}\text{C}$.

Key Features

Superior Sound Quality

Ultralow Noise: 1.1 nV/ $\sqrt{\text{Hz}}$ noise density with an ultralow distortion of 0.000015% at 1 kHz. The OPA1611 and OPA1612 offer rail-to-rail output swing to within 600 mV with a 2-k Ω load, which increases headroom and maximizes dynamic range. These devices also have a high output drive capability of ± 30 mA.

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Recommended For You

OPA445BM

Texas Instruments, Inc
CAN

OPA388QDBVRQ1

Texas Instruments, Inc
SOT23-5

OPA2365AQDRQ1

Texas Instruments, Inc
SOP8

OPA334AIDBVR

Texas Instruments, Inc
SOT23-6

OPA2835IDCSR

Texas Instruments, Inc
MSOP10

OPA656U

Texas Instruments, Inc
SOP8

OPA360AIDCKR

Texas Instruments, Inc
SC70-6

LMI11H/NOPB

Texas Instruments, Inc
CAN8

OPA353UA

Texas Instruments, Inc
SOP8

LMI3700MX/NOPB

Texas Instruments, Inc
SOP16

OPA633KP

Texas Instruments, Inc
DIP8

OPA453FAKIWT

Texas Instruments, Inc
TO263-7

OPA4251UA

Texas Instruments, Inc
SOP14

LMV321M5X/NOPB

Texas Instruments, Inc
SOT23-5

OPA637AU

Texas Instruments, Inc
SOP-8