

Description

The SA8302A is a 2.5W Class-D mono audio amplifier. Its low THD+N feature offers high-quality sound reproduction. The new filterless architecture allows the device to drive speakers directly instead of using low-pass output filters thus saving system cost and PCB area.

With the same number of external components, the efficiency of the SA8302A is much better than that of Class-AB cousins. It can optimize battery life thus is ideal for portable applications.

The SA8302A is available in MSOP-8 packages.

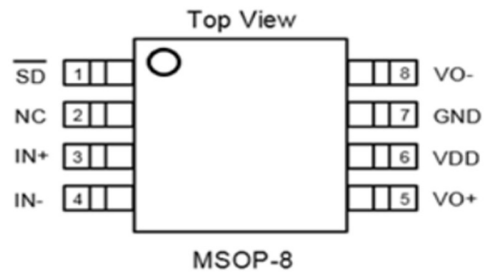
Features

- 2.5W Output at 10% THD with a 4Ω Load and 5V Power Supply
- Filterless, Low Quiescent Current and Low EMI
- High Efficiency up to 88%
- Superior Low Noise
- Short Circuit Protection
- Thermal Shutdown
- Few External Components to Save Space and Cost
- MSOP-8 Packages Available
- Totally Lead-Free & Fully RoHS Compliant

Applications

- PMP/MP4
- GPS
- Portable Speakers
- 2-Way Radios
- Hands-Free Phones/Speaker Phones
- Cellular Phones

Pin Assignments



Pin Name	Pin Number	Function
/SD	1	Channel Shutdown (Active Low)
NC	2	Not Connected
IN+	3	Channel Positive Input
IN-	4	Channel Negative Input
VO+	5	Channel Positive Differential Output
VDD	6	Power Supply (Must be Same as AVDD)
GND	7	Power Ground
VO-	8	Channel Negative Differential Output