

## Audio Amp Speaker 4-CH Stereo 48W Class-AB Automotive 27-Pin FLEXIWATT Tube



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	ZIP27
<b>Product Type:</b>	Amplifier ICs
<b>Lifecycle:</b>	Active

### General Description

The TDA7851A is a breakthrough MOSFET technology class AB audio power amplifier, designed for high-power car radio. The fully complementary P-Channel/N-Channel output structure allows a rail-to-rail output voltage swing. This, combined with high output current and minimized saturation losses, sets new power references in the car-radio field, with unparalleled distortion performance.

### Key Features

Multipower BCD technology

High output power capability:

4 x 48 W/4  $\Omega$  Max.

4 x 28 W/4  $\Omega$  @ 14.4 V, 1 kHz, 10 %

4 x 72 W/2  $\Omega$  Max.

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MOSFET output power stage

Excellent 2  $\Omega$  driving capability

Hi-Fi class distortion

Low output noise

Standby function

Mute function

Automute at min. supply voltage detection

Low external component count:

Internally fixed gain (26 dB)

No external compensation

No bootstrap capacitors

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Protections:

Output short circuit to GND, to  $V_s$ , across the load

Very inductive loads

OVERRATING chip temperature with soft thermal limiter

Output DC offset detection

Load dump voltage

Fortuitous open GND

Reversed battery

ESD

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**Recommended For You**

**TDA7387EP**

STMicroelectronics, Inc  
ZIP25

**TDA7562**

STMicroelectronics, Inc  
ZIP27

**TDA7296**

STMicroelectronics, Inc  
ZIP-15

**TDA7419**

STMicroelectronics, Inc  
SOP28

**TDA7561**

STMicroelectronics, Inc  
ZIP

**TDA7575B**

STMicroelectronics, Inc  
ZIP27

**TDA7376B**

STMicroelectronics, Inc  
ZIP-15

**TDA7851L**

STMicroelectronics, Inc  
ZIP-25

**TDA7417**

STMicroelectronics, Inc  
QFP

**TDA2005R**

STMicroelectronics, Inc  
ZIP

**TDA7801**

STMicroelectronics, Inc  
ZIP27

**TDA7388A**

STMicroelectronics, Inc  
ZIP-27

**TDA7850A**

STMicroelectronics, Inc  
ZIP27

**TDA7563ASM**

STMicroelectronics, Inc  
ZIP-27

**TDA75610LV**

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