

Quad BTL output with stand-by and mute inputs, clip detection

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: ZIP-25

Product Type: Amplifier ICs

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The TDA7851L is a breakthrough MOSFET technology class AB audio power amplifier in Flexiwatt25 package designed for high power car radio. The fully complementary P-Channel/N-Channel output structure allows a rail-to-rail output voltage swing which, combined with high output current and minimized saturation losses sets new power references in the car-radio field, with unparalleled distortion performances.

Key Features

Multipower BCD technology

High output power capability:

4 x 48 W/4 Ω Max.

4 x 28 W/4 Ω @ 14.4 V, 1 kHz, 10 %

4 x 72 W/2 Ω Max.

4 x 48 W/4 Ω Max.

4 x 28 W/4 Ω @ 14.4 V, 1 kHz, 10 %

4 x 72 W/2 Ω Max.

MOSFET output power stage

Excellent 2 Ω 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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No external compensation

No bootstrap capacitors

Protections:

Output short circuit to GND, to VS, across the load

Very inductive loads

Overtating chip temperature with soft thermal limiter

Load dump voltage

Fortuitous open GND

Reversed battery

ESD

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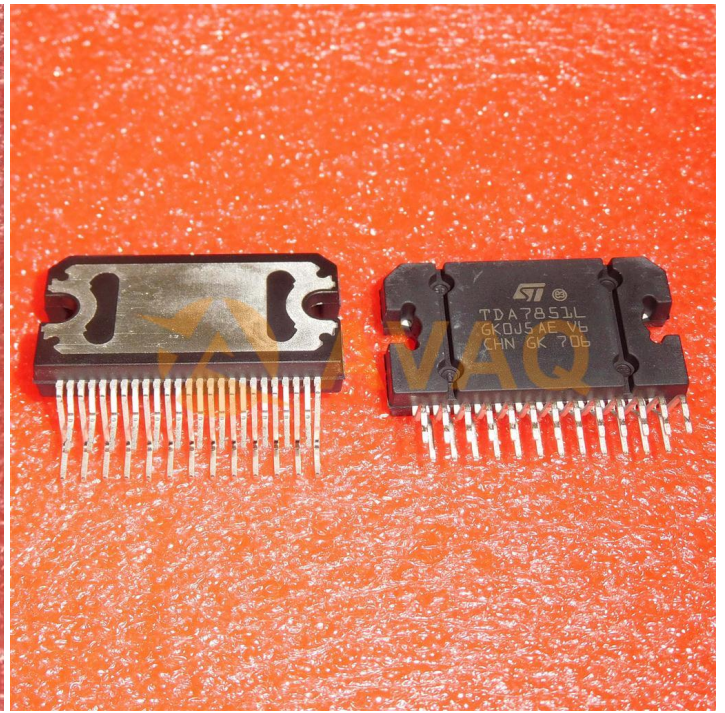
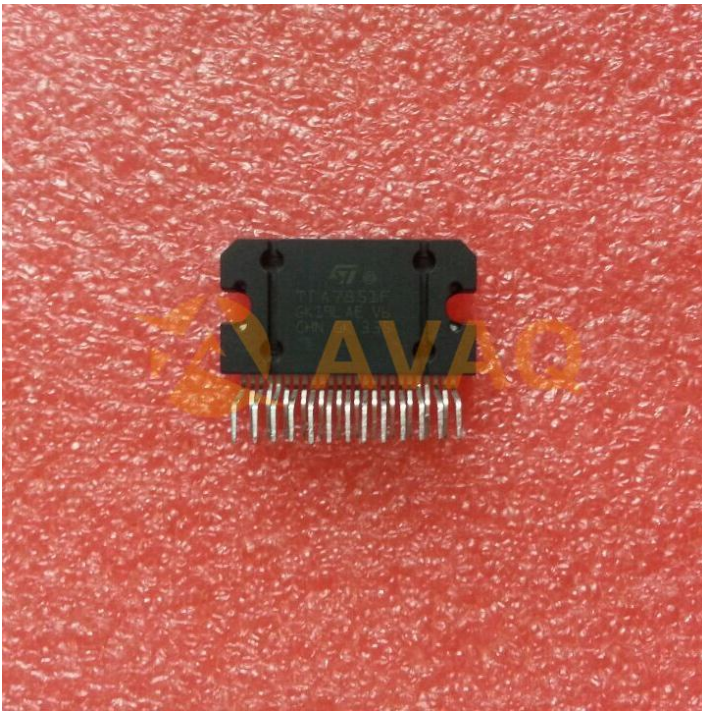
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Recommended For You

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

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

STMicroelectronics, Inc

ZIP27

TDA7562B

STMicroelectronics, Inc

ZIP27