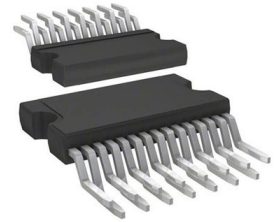


Audio Amp Speaker 2-CH Stereo 28W Class-AB Automotive 15-Pin(15+Tab) MULTIWATT Tube



Images are for reference only

Manufacturer:	STMicroelectronics, Inc
Package/Case:	ZIP15
Product Type:	Amplifier ICs
Lifecycle:	Active

[Inquiry](#)

General Description

The TDA7576B is a dual bridge power amplifier with MOSFET output power stages. It has been specifically designed for 24 V power supply systems making it compatible with truck/bus applications. The feedback topology allows excellent distortion performances and the integrated buffer minimizes the need for external components. The fully complementary P-channel/N-channel output structure allows rail-to-rail output voltage swing minimizing saturation losses. The TDA7576B integrates a DC offset detector, a clipping detector and a diagnostic output.

Key Features

- Multipower BCD technology
- 24 V battery operation
- MOSFET output power stage
- High output power capability
- 2 x 20 W/4 Ω @ 24 V, 1 kHz; 10 %
- 2 x 20 W/4 Ω @ 24 V, 1 kHz; 10 %
- Minimized external components
- No decoupling capacitors
- No bootstrap capacitor
- No external compensation
- Internally fixed gain
- No decoupling capacitors
- No bootstrap capacitor
- No external compensation
- Internally fixed gain
- Standby function
- Mute function

Diagnostic pin for:

clip detector (THD 2 %)

short circuit detection

thermal protection

clip detector (THD 2 %)

short circuit detection

thermal protection

Output DC offset detection

Protections:

60 V load dump

Overrating chip temperature

Out short circuit protection (to GND, Vcc and across the load)

ESD

60 V load dump

Overrating chip temperature

Out short circuit protection (to GND, Vcc and across the load)

ESD

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

STMicroelectronics, Inc

ZIP27