

Audio Amp Speaker 4-CH Stereo 68W Class-AB Automotive 28-Pin(27+Tab) Flexiwatt SMD Tube



Images are for reference only

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: ZIP-27

Product Type: Amplifier ICs

Lifecycle: Active

[Inquiry](#)

General Description

The TDA7563A is a new BCD technology Quad Bridge type of car radio amplifier in Flexiwatt27 & PowerSO36 packages specially intended for car radio applications. Thanks to the DMOS output stage the TDA7563A has a very low distortion allowing a clear powerful sound. Among the features, its superior efficiency performance coming from the internal exclusive structure, makes it the most suitable device to simplify the thermal management in high power sets. The dissipated output power under average listening condition is in fact reduced up to 50% when compared to the level provided by conventional class AB solutions. This device is equipped with a full diagnostics array that communicates the status of each speaker through the I2C bus.

Key Features

Multipower BCD technology

MOSFET output power stage

DMOS power output

New high efficiency (class SB)

High output power capability 4 x 28 W / 4 Ω @ 14.4 V, 1 kHz, 10 % THD, 4 x 50 W max power

Max. output power 4 x 72 W / 2 Ω

Full I2C bus driving:

Standby

Independent front/rear soft play/mute

Selectable gain 26 dB/12 dB (for low noise line output function)

High efficiency enable/disable

I2C bus digital diagnostics (including DC and AC load detection)

Standby

Independent front/rear soft play/mute

Selectable gain 26 dB/12 dB (for low noise line output function)

High efficiency enable/disable

I2C bus digital diagnostics (including DC and AC load detection)

Full fault protection

DC offset detection

Four independent short circuit protection

Clipping detector pin with selectable threshold (2 %/10 %)

Standby/mute pin

Linear thermal shutdown with multiple thermal warning

ESD protection



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

TDA75610LV

STMicroelectronics, Inc

ZIP27

TDA7562B

STMicroelectronics, Inc

ZIP27