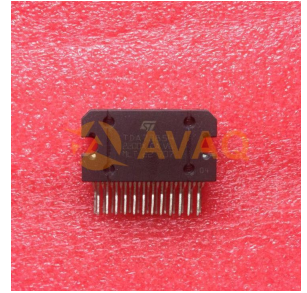


## Audio Amp Speaker 4-CH Stereo 23W Class-AB Automotive 25-Pin(25+Tab) FLEXIWATT(Horizontal) Tube



Images are for reference only

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** ZIP-25

**Product Type:** Amplifier ICs

**Lifecycle:** Active

[Inquiry](#)

### General Description

The TDA7385 is an AB class audio power amplifier, packaged in Flexiwatt 25 and designed for high end car radio applications.

Based on a fully complementary PNP/NPN configuration, the TDA7385 allows a rail to rail output voltage swing with no need of bootstrap capacitors. The extremely reduced boundary components count allows very compact sets. The on-board clipping detector simplifies gain compression operations. The fault diagnostics makes it possible to detect mistakes during car-radio assembly and wiring in the car.

## Key Features

High output power capability:

4x42W/4Ωmax.

4x23W/4Ω@14.4V, 1kHz, 10%

Clipping detector

Low distortion

Low output noise

Standby function

Mute function

Auto mute at min. supply voltage detection

Diagnostics facility for:

Clipping

Output to GND short

Output to VS short

Thermal shutdown

Low external component count:

Internally fixed gain (26dB)

No external compensation

No bootstrap capacitors

Protections:

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

Very inductive loads

Overrating chip temperature with soft thermal limiter

Load dump voltage

Fortuitous open GND

Reversed battery

ESD



## Recommended For You

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### **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