PAL013A Datasheet

Function: 4 x 45 W Quad bridge car radio amplifier

Package: Flexiwatt25 Type

Manufactures: Pioneer, ST

Image



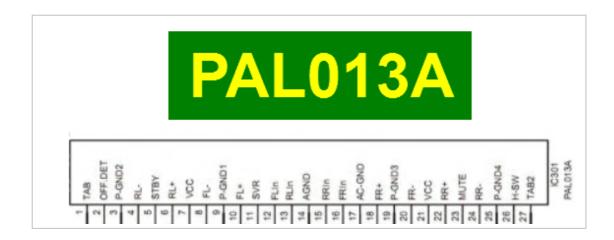
Description

The PAL013A 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 PAL013A allows a rail to rail output voltage swing with no need of bootstrap capacitors. The extremely reduced boundary components count allows very compact sets.

Pioneer Audio output, compatible with PAL011A / PAL012A without presenting the famous "Error of

Amplifier "in the car stereo or getting solved without taking into account pin 1 and 27 to the board, 12V power supply.

Pinout



Features

- 1. Low distortion
- 2. Low output noise
- 3. Standby function
- 4. Mute function
- 5. Automute at min. supply voltage detection

Protections

- 1. Very inductive loads
- 2. Overrating chip temperature with soft thermal limiter
- 3. Load dump voltage
- 4. Fortuitous open GND
- 5. Reversed battery
- 6. ESD

Reference Site: https://sites.google.com/site/krelectronicskilinochchi/sound-ic-image

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