

EnChip AXPA17851 功放IC 音频功率放大器 替ST TDA7851

产品名称	EnChip AXPA17851 功放IC 音频功率放大器 替ST TDA7851
公司名称	深圳市拓日威电子有限公司
价格	.00/个
规格参数	
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产品详情

AXPA17851产品描述

AXPA17851 is a quad bridge class AB car radio audio power amplifier designed in BCD (Bipolar, CMOS, DMOS) technology with a fully complementary P-Channel/N-Channel output structure. It has a rail to rail output voltage swing, high output current and low saturation losses, giving it an excellent distortion performance. AXPA17851 can operate down to 6V for low voltage operation to achieve 'start-stop' battery profile during engine stop enabling reduction in overall emissions.

Features

Multipower BCD technology with DMOS MOSFET output power stage

Hi-Fi class low distortion

Low output noise

High immunity to RF noise injection

Standby function

Mute function

Auto-mute at min. supply voltage detection

Low external component count

No external compensation

No bootstrap capacitors

Internally fixed gain (26dB)

Capable to operate down to 6V (e.g. “ start-stop ”)

High output power capability:

- 4 x 48W/4 Max.
- 4 x 28W/4 @ 14.4V, 1kHz, 10%
- 4 x 72W/2 Max.

Protections:

- Output short circuit to GND, to Vs, across the load
- Very inductive loads
- Overrating chip temperature with soft thermal limiter
- Load dump
- Fortuitous open GND