The LM48511 Integrates a Boost Converter with a High Efficiency

(ACTIVE) LM48511SQBD

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Key Document

AN-1922 LM48511 Evaluation Board User's Guide (Rev. C) (PDF 3019 KB)
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Description

This LM48511SQDB is an evaluation board designed to ease the evaluation and effort during the development of a circuit using the LM48511SQ. It is an easy to use stand-alone board that requires power and GND, an input signal and an output load.

Features

- 3W Output into 8Ω at 5V with THD+N = 1%
- Selectable spread spectrum mode reduces EMI
- 81% Efficiency
- Independent Regulator and Amplifier Shutdown Controls
- Dynamically Selectable Regulator Output Voltages
- Filterless Class D
- 3.0V - 5.5V operation
- Low Shutdown Current
- Click and Pop Suppression

Applications:

- GPS
- Portable media
- Cameras
- Mobile Phones
- Handheld games

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
AN-1922 LM48511 Evaluation Board User's Guide (Rev. C)	Read Abstract	PDF	3019	01 May 2013	762	✓

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
LM48511SQ Demo Board Description and Setup Instructions		PDF	156	26 Jan 2012	490

Related Products

TI Devices (1)

Part Number	Name	Product Family
LM48511	3W, Ultra-Low EMI, Filterless, Mono, Class D Audio Power Amplifier with Spread Spectrum	Portable Amplifier

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