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Simple Switcher® Power Module 5.5Vin, 5A Eval Board

(ACTIVE) LMZ10505EVAL

Description & Features

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Description

The SIMPLE SWITCHER power module evaluation board is optimized for peak performance and increased flexibility. By incorporating additional ceramic and an aluminum filter capacitor, the power module EVAL board demonstrates the low output ripple, fast transient response, and low conducted and radiated EMI performance of the device. Adjusting the output voltage, optimizing the control loop circuitry, and fine-tuning the filter capacitance is ease, with convenient size and placement of the passive components on the board. Finally, the excellent thermal performance of the power modules is enhanced using a 4-layer 1oz copper PCB.



Features

- Integrated shielded inductor (inside the module)
- Efficiency
 - Up to 96% (LMZ10505)
- 2.5V output (output voltage is adjustable by changing 1 or 2 resistors)
- Thermal performance
 - $\theta_{JA} = 20^{\circ}\text{C/W}$
 - $\theta_{JC} = 1.9^{\circ}\text{C/W}$
- Uses 0805 passives on front side for easy modification of values to match requirements
- 2.25" x 2.25" (5.8 cm x 5.8 cm) 4-layer PCB. Uses 1oz copper on top and bottom, 1/2 oz copper on inner layers

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS
LMZ10505EVAL/NOPB: Simple Switcher® Power Module 5.5Vin, 5A Eval Board	\$25.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes

Contact a Distributor

TI's Standard Terms and Conditions for Evaluation Modules apply.

Related Products

TI Devices (1)

Part Number	Name	Product Family
LMZ10505	5A SIMPLE SWITCHER® Power Module with 5.5V Maximum Input Voltage	Non-Isolated Module

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