

MAXREFDES111 Power Supply Reference Designs

Product Overview

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Description

Maxim Integrated MAXREFDES111 Isolated Flyback Power Supply Reference Designs have an efficient flyback topology with 24V input voltage and a 5V output voltage at 2W of power (0.4A). These designs are a series of isolated and industrial power-supply reference designs. Each of the isolated power supplies efficiently converts 24V into useful voltage rails at a variety of power levels. Each voltage rail is isolated with transformers like Wurth Electronics 750315847, HanRun HR041087, and Sumida 06343-T588.



The MAXREFDES111 reference designs feature the MAX17498B, a peak-current-mode converter with an internal n-channel MOSFET switch. These reference designs can be used in the applications such as industrial control and automation, process control, telecom, and datacom power supplies.

Features

- Functional insulation
- Compact and flexible
- Minimal external components
- Robust operation in adverse industrial environments
- 5V output voltage at 2W of power (0.4A)
- Converts 24V into useful voltage rails
- $\pm 5\%$ output accuracy

Applications

- Industrial control and automation
- Process control
- PLC
- Telecom and datacom power supplies

Mouser Part Numbers

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