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STEVAL-ISA004V1

VIPer22A-E dual-output evaluation board with 90 to 264 V_{AC} input and 10 W output

Data Brief

Features

- Switch-mode general-purpose power supply
- Input: 90 to 264 V_{AC} 50/60 Hz
- Output: 12 V @ 0.42 A and 5 V @ 1 A
- Burst-mode operation in standby for Blue Angel operation
- Current mode control
- Switching frequency: 60 kHz
- 75% efficiency
- Auxiliary undervoltage lockout with hysteresis
- Output short-circuit protection
- Thermal shutdown protection
- Meets EN55022 Class B EMI specification



Description

This evaluation board is an offline, wide-range, VIPer22A-E dual-output power supply with a switching frequency of 60 kHz and is set up for secondary regulation with an optocoupler. One output delivers 5 V at 1 A and a second output delivers 12 V at 0.42 A, making for a total output power of 10 W. The evaluation board meets Blue Angel Norms, consuming less than 1 W total when working in standby mode. The board operates in burst mode when both the output loads are reduced to zero and the output voltages still remain regulated.

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
28-Nov-2007	1	Initial release

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