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STEVAL-ISA011V1

VIPER12ADIP-E low power AC/DC adapter demonstration board
 (suitable for the STEVAL-ILL002V1)

Data brief

Features

- Minimum AC input voltage = 88 Vrms
- Maximum AC input voltage = 265 Vrms
- Max output power = 4.1 W
- Output voltage = 4.5 V
- Max output current = 900 mA
- Efficiency (at full load and 230 Vac) = 70 %
- Efficiency (at full load and 115 Vac) = 70 %

Description

The STEVAL-ISA011V1 demonstration board is a low power (4.1 W output), general purpose adapter. The design is based on the VIPER12ADIP-E monolithic device which, in the same package, integrates the high voltage power switch and the basic control function needed for a current mode flyback converter.

The board can handle a wide range AC input voltage, from 88 Vac to 265 Vac, with one output voltage of 4.5 V delivering a maximum output current of 900 mA.

The main applications for this board are auxiliary power supplies and wall-plug adapters.



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
23-Sep-2010	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

STEVAL-ISA011V1

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