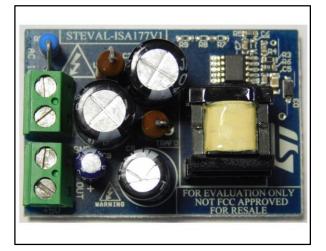


STEVAL-ISA177V1

5 V, 0.85 A flyback converter using VIPer[™] Plus – VIPer01

Data brief



Description

The STEVAL-ISA177V1 evaluation board implements a wide-range converter in flyback non isolated topology, delivering 0.85 A on a 5 V output for general purpose applications.

The core of the application is the new VIPer01 offline high voltage converter from the VIPerPlus range that intelligently integrates an 800 V rugged power MOSFET with PWM current-mode control.

The main characteristics of the evaluation board are its single layer, small size with minimal BOM, high efficiency and low standby consumption.

Features

- Universal AC main input voltage range: 85V_{AC} to 265V_{AC}
- Output range: 15 V / 0.85 A
- Rated output power: 4.25 W
- Input power in standby @ 230 V_{AC}: < 9 mW
- Active mode efficiency: > 74%
- EMI: according to EN55022-Class-B
- RoHS compliant

April 2016

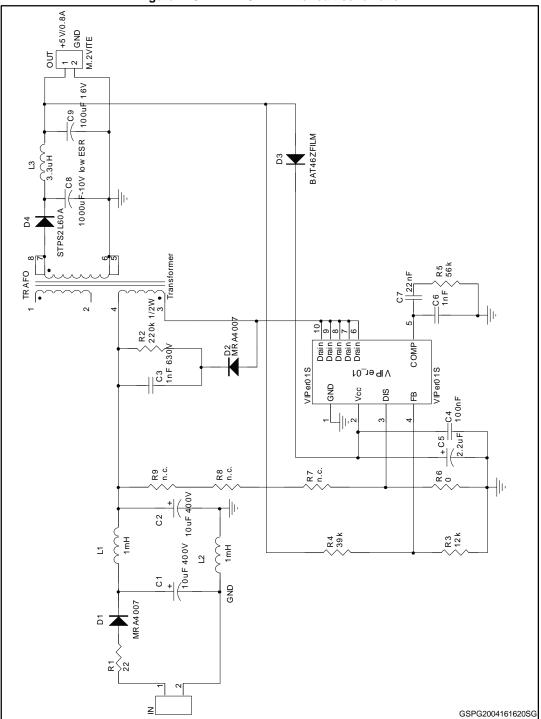
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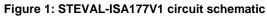
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1 Schematic diagram







2 Revision history

Table 1: Document revision history

Date	Version	Changes
26-Apr-2016	1	Initial release.



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