

## 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<sub>AC</sub> to 265V<sub>AC</sub>
- Output range: 5 V / 0.85 A
- Rated output power: 4.25 W
- Input power in standby @ 230 V<sub>AC</sub>: < 9 mW
- Active mode efficiency: > 74%
- EMI: according to EN55022-Class-B
- RoHS compliant



## 2 Revision history

Table 1: Document revision history

Date	Version	Changes
26-Apr-2016	1	Initial release.
02-Sep-2016	2	Output range change in <a href="#">Section "Features"</a>

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