

# STEVAL-ISA179V1

### 15 V, 0.15 A buck converter using VIPer<sup>™</sup> Plus – VIPer0P

Data brief



#### Features

- Universal AC main input voltage range: 85 V<sub>AC</sub> to 265 V<sub>AC</sub>
- Output range: 15 V / 0.15 A
- Rated output power: 2.25 W
- Input power in standby @230 V<sub>AC</sub>: less than 40 mW
- Active mode efficiency: greater than 77%
- EMI: EN55022-Class-B compliant
- RoHS compliant

#### Description

The STEVAL-ISA179V1 evaluation board implements a wide mains range buck converter (15 V / 0.15 A), developed for general purpose applications.

The core of the application is the new VIPerOP off-line high voltage converter of the VIPerPlus family, featuring the Zero Power characteristic.

The device is a high-voltage converter that intelligently integrates an 800 V rugged power MOSFET with PWM current-mode control.

The evaluation board features a single layer design, small size, minimal BOM, high efficiency and low standby consumption.

DocID029097 Rev 1

For further information contact your local STMicroelectronics sales office

### 1 Schematic diagram

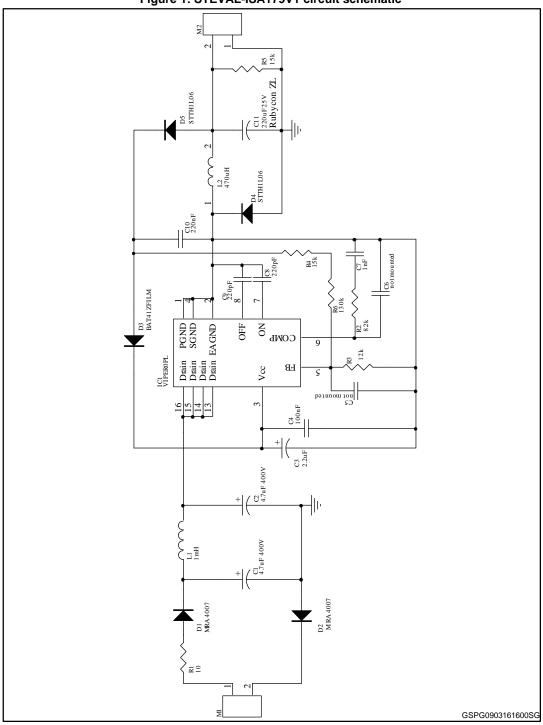


Figure 1: STEVAL-ISA179V1 circuit schematic

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## 2 Revision history

Table 1: Document revision history

Date	Version	Changes
14-Mar-2016	1	Initial release.



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