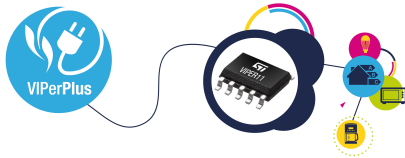


## 5 V / 0.36 A buck converter using VIPerPlus – VIPer11



### Features

- Universal AC main input voltage range: 85 V<sub>AC</sub> to 265 V<sub>AC</sub>
- Output range: 5 V / 0.36 A
- Rated output power: 1.8 W
- Input power in standby at 230 V<sub>AC</sub>: less than 18 mW
- Active mode efficiency: > 65%
- EMI: according to EN55022-Class-B
- RoHS compliant

### Description

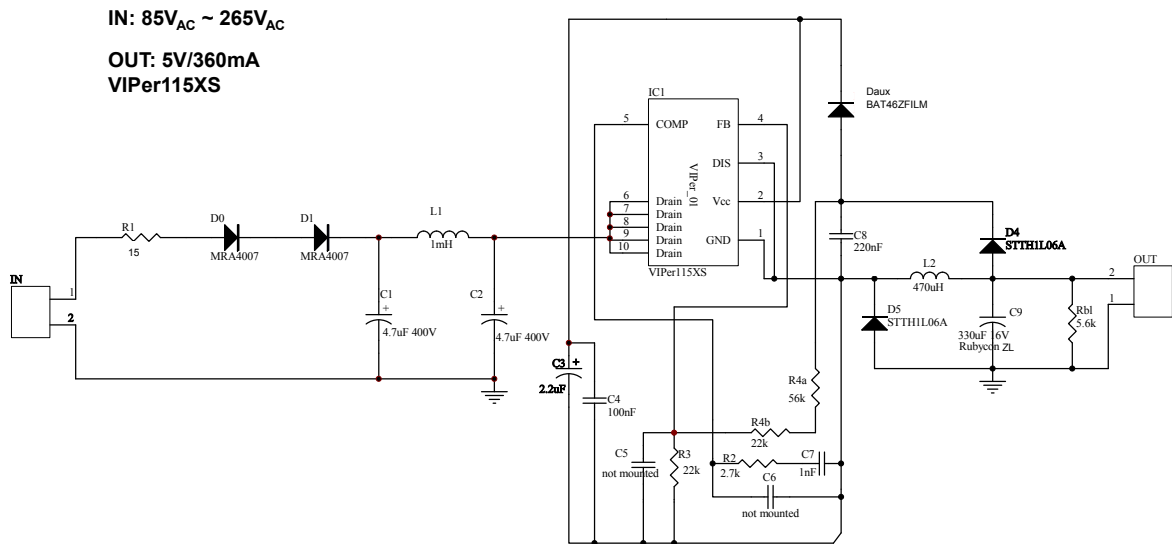
The [STEVAL-ISA95V1](#) evaluation board implements a wide range mains buck converter (5 V / 0.36 A) developed for general purpose applications.

The design is built around the [VIPer11](#) off-line high voltage converter from the VIPerPlus family, which intelligently integrates an 800 V rugged power MOSFET with a current-mode control PWM.

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

Product summary	
5 V / 0.36 A buck converter using VIPerPlus - VIPer11	<a href="#">STEVAL-ISA195V1</a>
energy saving off-line high voltage converter	<a href="#">VIPER11</a>

# 1 Schematic diagrams

**Figure 1. STEVAL-ISA195V1 circuit schematic**


## Revision history

**Table 1. Document revision history**

Date	Version	Changes
09-May-2018	1	Initial release.

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