



## STEVAL-ISA058V1

5 W single output SMPS demonstration board  
based on the VIPer17 off-line high voltage converter

### Features

- Input voltage range: 90 V<sub>AC</sub> to 265 V<sub>AC\_RMS</sub>
- Output voltage: 5 V
- Maximum output current: 1 A
- RoHS compliant

### Description

The STEVAL-ISA058V1 demonstration board is a 5 W off-line power supply designed as an evaluation platform for the VIPer17 offline high voltage converter.

The VIPer17 features an 800 V rugged power section, PWM control, two levels of overcurrent protection, overvoltage and overload protection, hysteretic thermal protection, soft-start and safe auto-restart after fault condition removal. Burst mode operation and the very low consumption of the device help to meet standby energy saving regulations. Advance frequency jittering reduces EMI filter cost. A brown-out function protects the switch mode power supply when the rectified input voltage level is below the normal minimum level specified for the system. A high voltage startup circuit is embedded in the device.





## 2 Revision history

**Table 1. Document revision history**

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 26-Aug-2009 | 1        | Initial release. |

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