

STEVAL-ILL037V1

Demonstration board for the HVLED805 IC for LED power supply

Data brief

Features

Input voltage: 90 Vac - 265 VacInput frequency: 50 Hz - 60 Hz

Output power: 3.2 WExpected efficiency: 85%

■ Output voltage: ~16 Vdc (from 3 to 5 LEDs)

■ Output current: 200 mA

■ For E26/E27/GU10 LED lamps

■ RoHS compliant

Description

The STEVAL-ILL037V1 demonstration board implements a 3.2 W (16 V / 0.2 A) wide range LED driver to support from 3 to 5 LEDs for LED lamps (e.g. E27 and GU10).

The HVLED805 is an offline all-primary sensing switching regulator, specific to offline LED drivers, based on quasi-resonant ZVS (zero voltage switching at switch turn-on) flyback topology, due to its simplicity and low cost.

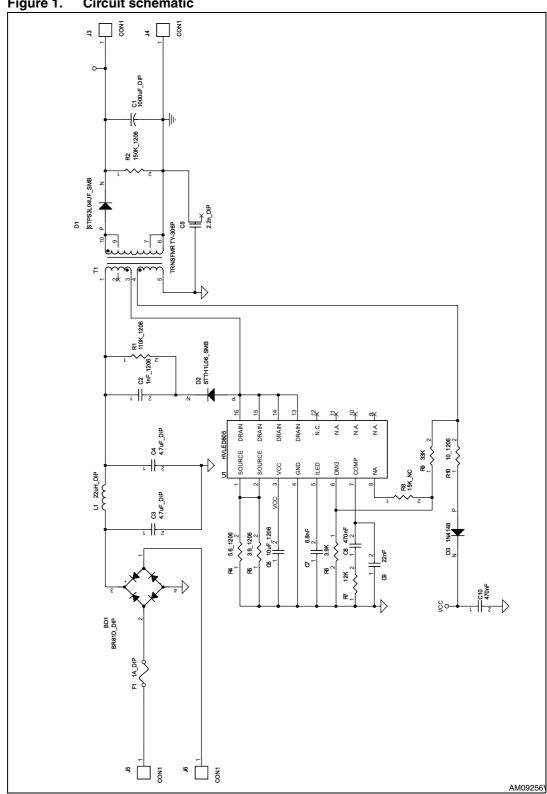


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Circuit schematic STEVAL-ILL037V1

Circuit schematic 1





STEVAL-ILL037V1 Revision history

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Table 1. Document revision history

Date	Revision	Changes
13-Apr-2011	1	Initial release.

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