SP2115
60V 1.2A Step Down LED Driver

DESCRIPTION

SP2115 is a continuous conduction mode inductive step-down converter, designed for driving single or multiple series connected LED efficiently from a voltage source higher than the total LED chain voltage. The device operates from an input supply between 7V and 60V and provides an externally adjustable output current of up to 1.2A. Depending upon the supply voltage and external components, SP2115can provide more than 30 watts of output power.

SP2115 includes the power switch and a high-side output current sensing circuit, which uses an external resistor to set the nominal average output current, and a dedicated DIM input accepts either a DC voltage or a wide range of pulsed dimming. Applying a voltage of 0.3V or lower to the DIM pin turns the output off and switches the device into a low current standby state. SP2115 is available in SOP-8 with power pad packages and SOT89-5.

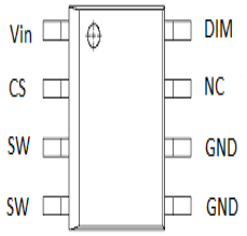
APPLICATIONS

- DC/DC LED driver applications
- Backlighting for flat panel displays
- General purpose constant current source
- Automotive lighting
- LED lighting

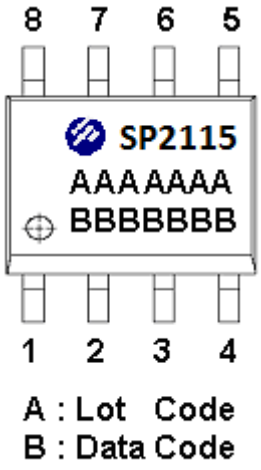
FEATURES

- >95% efficiency
- 7V to 60V DC input range
- Constant current LED driver
- Up to 1.2A output current
- Linear and PWM dimming capability
- 1MHz switching frequency
- Internal thermal overload protection
- Over temperature protection
- Open/short circuit LED protection
- Low components count
- SOP8 with power pad and SOT89-5

PIN CONFIGURATION(PSOP-8)



PART MARKING



A: Lot Code
YYWW: Date Code