

Single Channel WLED Driver with PWM Dimming Control

Specification Rev. V1.4

FEATURES

- Wide Input Range: 9V to 33V
- Current Mode Control
- Fixed 200KHz Switching Frequency
- 240mV Current Feedback Reference
- Open LED Protection
- Over Current Protection
- Over Temperature Protection
- 500mA/800mA Output Driving Capability

APPLICATIONS

- Single String LED Backlight
- LED Lighting

GENERAL DESCRIPTION

The PF7906B is a wide-input voltage boost controller which can be operated from 9V to 33V. PF7906B is targeted for driving single string LED backlight, especially for those are with PWM dimming control. PF7906B integrated the current mode PWM controller with a 500mA/800mA output MOSFET driver, over current protection, and LED open loop protection in a SOP-8 package to minimize the PCB size as well as the component counts.

TYPICAL APPLICATION

