

Single-Channel WLED Backlight Driver

Preliminary Specification P2

FEATURES

- Wide Input Range: 9V to 30V
- Current Mode Control
- 300mV Current Sensing Reference
- Short LED Lamp Protection
- Over Current Protection
- Over Temperature Protection
- Output Over Voltage Protection
- Boost Diode/Inductor Short Protection
- Current Boost Function for 3D mode
- 1000mA/-1500mA Output Driving Capability

APPLICATIONS

- LED Backlight

GENERAL DESCRIPTION

The PF7909 is a WLED controller which integrated high driving capability boost MOSFET driver, various protections and current boost feature for 3D mode operation thus PF7909 can covered wide application range for different panel sizes. The integrated protections include short LED lamp protection (SLP), open LED lamp protection and boost diode/inductor short protection. PF7909 provide the reference voltage to eliminate the external reference voltage circuit and also provide FLAG signal output for system communication. The adjustable frequency setting helps users to select the optimized operation frequency.

TYPICAL APPLICATION (PF7909)

