High Current LED Driver

Features

- High PWM Dimming Ratio
- Current Mode Operation
- +/-2% Voltage Reference
- Programmable Switching Frequency
- Programmable Slope Compensation
- Programmable Current Limit
- +0.2A/-0.4A Gate Driver
- Output Short Circuit Protection
- Output Over Voltage Protection
- LED Light Bar Short Protection
- Thermal Shutdown
- Available in SOP-16 Package

General Description

The G5991 is current mode control LED driver IC designed to control single switch PWM converter in a constant frequency. External current sense resistor and slope compensation resistor make it flexible for various applications. A PWM dimming input controls a duty ratio from 0% to 100% with frequency up to few kilohertz.

The G5991 includes hiccup protection from both short and open circuits, with automatic recovery after the fault condition is cleared.

The G5991 is available in a SOP-16 package.

Applications

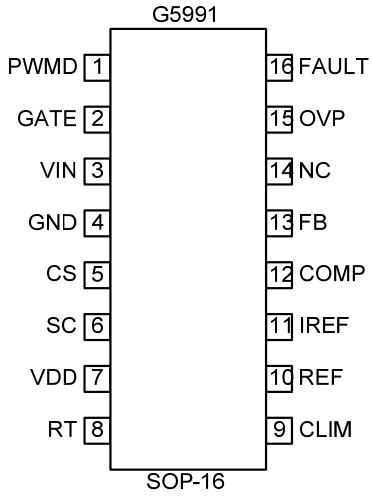
- TV

Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G5991P31U	G5991	-40°C to +85°C	SOP-16

Note: P3: SOP-16
1 : Bonding Code
U : Tape & Reel

Pin Configuration



Typical Application Circuit

