

## Description

The BP5659A is a LED current ripple reducer, working with TRIAC-dimmable LED driver or single-stage active PFC LED driver to remove the low frequency LED current ripple. The BP5659A utilizes advanced high-efficiency control scheme. It can automatically adapt to wide range LED voltage and current, removing the LED current ripple while keeping the MOSFET power loss as minimum as possible.

The BP5659A offers multiple protections, including drain voltage OVP, LED short protection and over temperature protection.

The BP5659A is available in SOT23-6 Package.



SOT23-6 package

## Features

- Integrated with 500V JFET
- OVP voltage adjustable
- SCP voltage adjustable
- Low component count
- Over-temperature protection
- SOT23-6 Package

## Typical Application

- LED Bulb
- LED panel light
- Other LED Lighting

## Typical Application

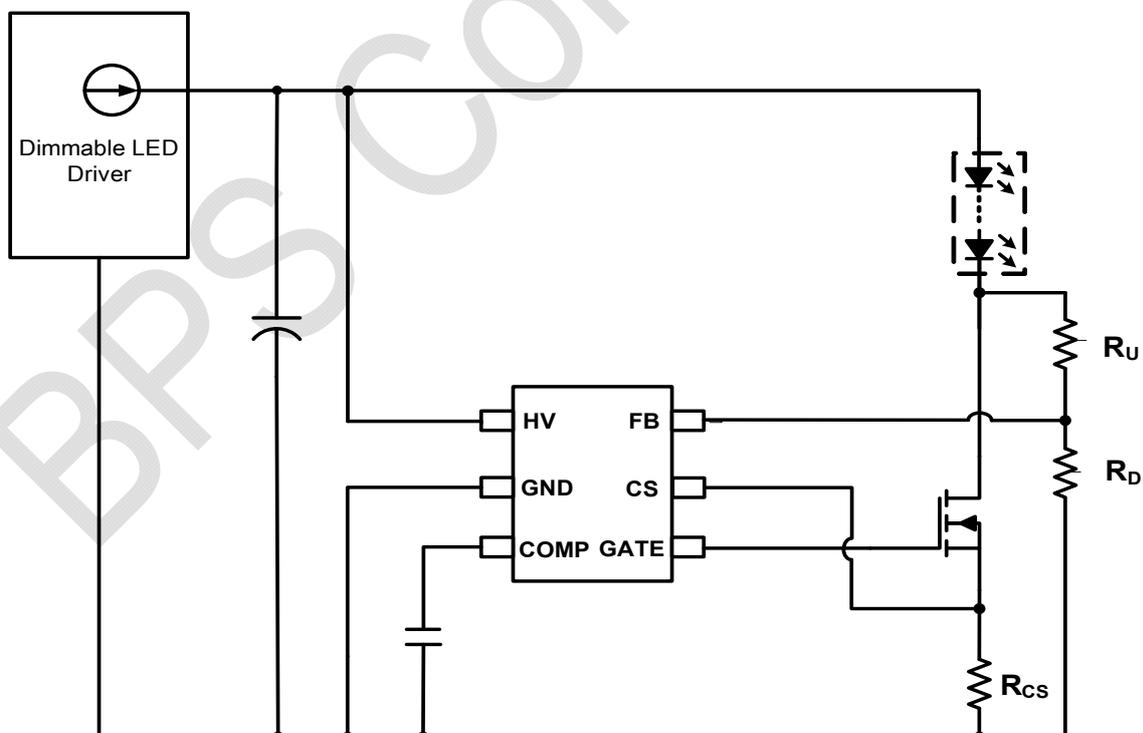


Figure 1 Typical Application of the BP5659A

### Ordering Information

Part Number	Package	Package Method	Marking
BP5659A	SOT23-6	Tape 3,000pcs/Reel	5659A

### Pin Configuration and Marking Information

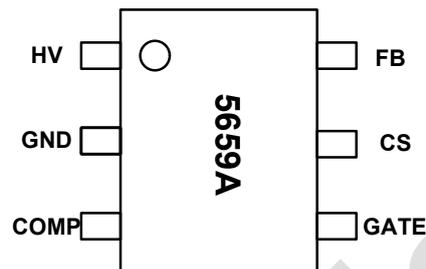


Figure 2 Pin Configuration

### Pin Definition

Pin No.	Name	Parameter
1	HV	JFET for IC power supply
2	GND	IC Ground
3	COMP	Loop compensation
4	GATE	MOSFET gate drive
5	CS	LED current sensing
6	FB	Feedback pin of MOSFET drain voltage

## Disclaimer

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