

### Description

BP2606CA is a Boost PFC driver with high efficiency, high PF and low THD. The device operates in critical conduction mode and is suitable for Boost power factor correction as a pre-stage of two-stage LED driver.

BP2606CA utilizes MOSFET source driving technique and current sensing method. The operating current of the IC is very low. With very few external components count, it can achieve excellent constant current performance, so the system cost and size are greatly reduced.

BP2606CA offers rich protection functions to improve the system reliability, including load open circuit protection (Over Voltage Protection), MOSFET over current limit and thermal regulation function.

BP2606CA is available in SOP-8 package.

### Typical Application

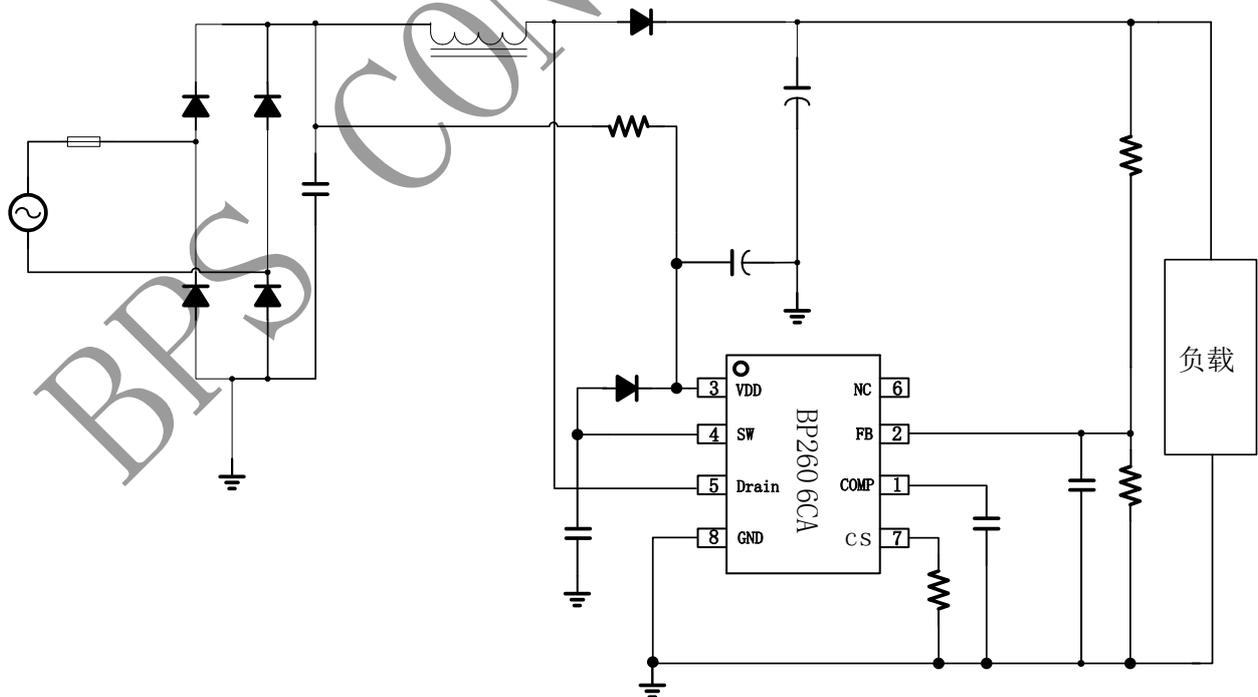


Figure 1. Typical application circuit for BP2606CA Boost CV

### Features

- Critical Conduction Mode Operation
- Ultra-Low Operating Current
- Accurate Internal Reference Voltage
- Integrated 500V Power MOSFET
- Load Open Protection
- MOSFET Over Current Limit
- VCC Under Voltage Protection
- Available in SOP-8 Package

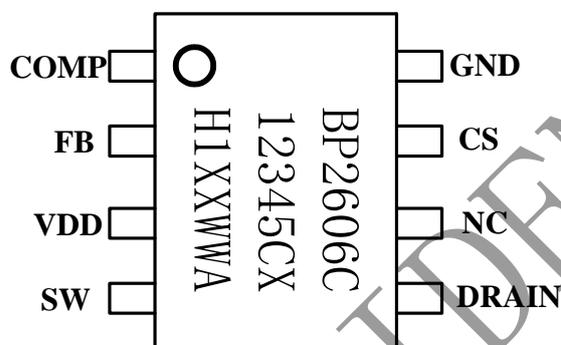
### Application

- Boost PFC pre-converter

### Ordering Information

Part Number	Package	Operating Temperature	Packing Method	Marking
BP2606CA	SOP8	-40 °C to 105 °C	Tape 4,000 Piece/Reel	BP2606C 12345CX H1XXWWA

### Pin configuration and Marking Information



12345: lot code

X: Sign

WW: Week

C: Internal Power MOSFET

Figure 2. Pin Configuration

### Pin Definition

Pin No.	Name	Description
1	COMP	Loop Compensation Node.
2	FB	Feedback and Output Sensing
3	VDD	IC Power Supply
4	SW	HV Power MOSFET Source Driver
5	DRAIN	DRAIN of internal HV Power MOSFET
6	NC	Not Connected
7	CS	MOSFET Current Sense
8	GND	IC Ground

## Disclaimer

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