

# BP8005

## Highly Integrated Converter for No Neutral Wire Required Smart Switch

### Description

The BP8005 is a highly integrated converter which provides constant voltage regulation during the relay is on for no neutral wire required smart switch. The BP8005 has the features of power-on delay signal, programmable output voltage. Thus, less components are needed, which reduces solution size, and can lead to a lower system cost.

The BP8005 is available in a SOT33-5B package.

### Features

- Power supply during relay-on
- Power-on delay signal
- Programmable output voltage

### Applications

- No neutral wire required smart switch
- Other applications of no neutral wire required

### Typical Application

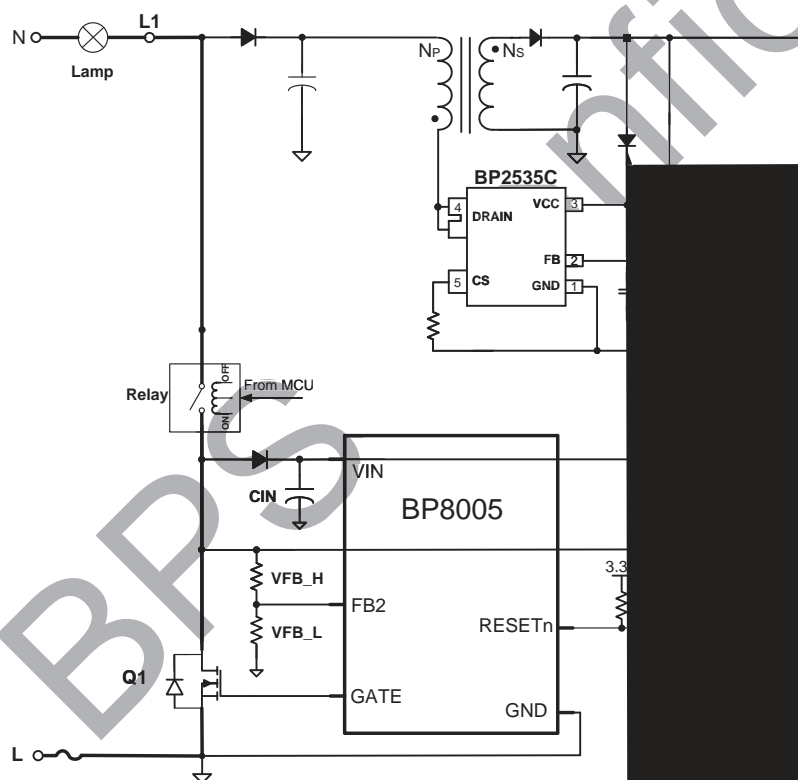
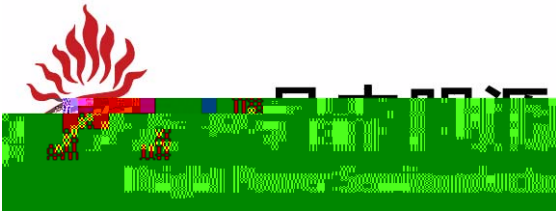


Figure 1. BP8005 typical application

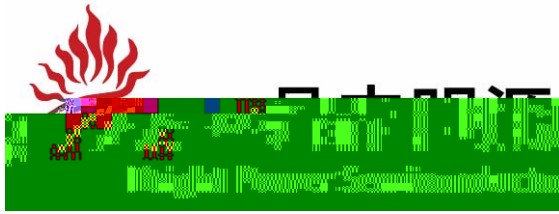


# BP8005

Highly Integrated Converter for  
~~No Neutral Wire Required Smart Switch~~

## Ordering Information

Part Number	Package	Operating Temperature	Packing	
-------------	---------	-----------------------	---------	--



**BP8005**

**Highly Integrated Converter for  
No Neutral Wire Required Smart Switch**

---

### Disclaimer

The information provided in this datasheet is believed to be accurate and reliable. However, Bright Power Semiconductor (BPS) reserves the right to make changes at any time without prior notice.

No license, to our intellectual property, BPS or any other party, is granted by this document. BPS provides information in this datasheet "AS IS" and with all faults, and makes no warranty, express or implied, including but not limited to, the accuracy of the information provided in this datasheet, merchantability, fitness of a specific purpose, or non-infringement of intellectual property rights of BPS or any other party. BPS disclaims any and all liabilities arising out of this datasheet or use of this datasheet, including consequential or incidental damages.