



Non-isolated Buck Offline LED Driver

Features

- Critical Conduction Mode Operation
- Internal 500V Power MOSFET
- No Auxiliary Winding
- Ultra Low Operating Current
- $\pm 5\%$ LED Output Current Accuracy
- LED Open Protection
- LED Short Protection
- Current Sensing Resistor Short Protection
- VCC Under Voltage Protection
- Thermal Regulation Function
- Available in SOP-8 Package

Applications

- LED Candle Light
- LED Bulb
- Other LED Lighting

Typical Application

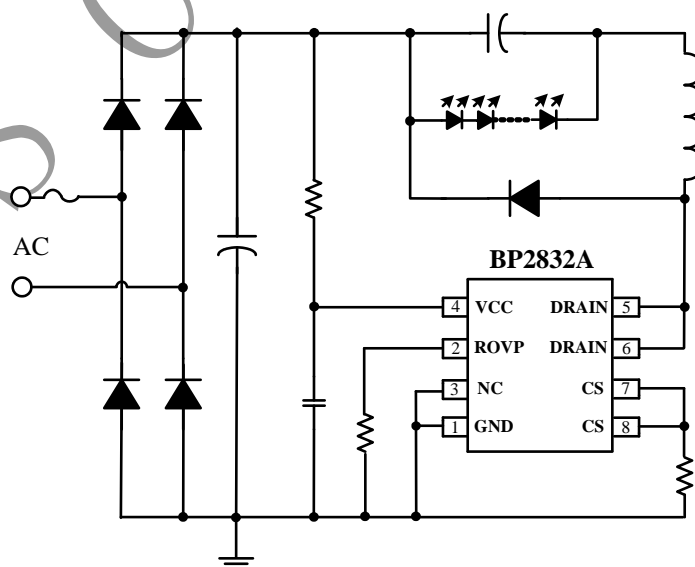


Figure 1. Typical application circuit for BP2832A



晶丰明源半导体

BP2832A

Non-isolated Buck Offline LED Driver

Ordering Information

Part Number	Package	Operating Temperature	Packing Method	Marking
BP2832A	SOP8	-40 °C to 105 °C	Tape 4,000 Piece/Reel	BP2832A XXXXXY WXY

Pin Configuration and Marking Information

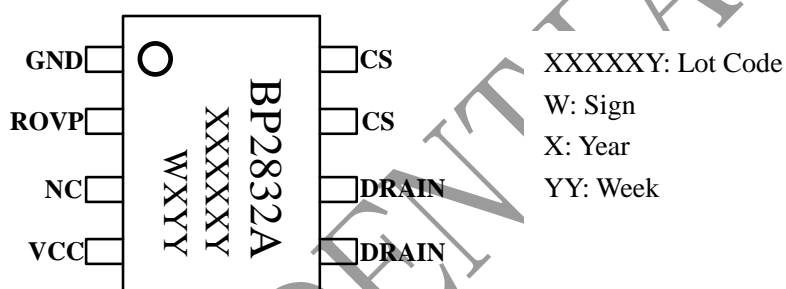


Figure 2. Pin configuration

Pin Definition

Pin No.	Name	Description
1	GND	Ground
2	ROVP	Over Voltage Protection Setting Pin. Connect a resistor to GND
3	NC	No Connection. Should be connected to GND(Pin1)
4	VCC	Power Supply Pin
5,6	DRAIN	Internal HV Power MOSFET Drain.
7,8	CS	Current Sense Pin. Connect a sense resistor between this pin and GND pin.