



Description

The BP2863X is a high precision Buck constant current LED driver. The device operates in critical conduction mode, which is suitable for 95V ac, 265V ac universal input offline lighting.

The BP2863X integrates a 500V power MOSFET, with gate MOSFET driving technique. It does not need a VCC capacitor and startup resistor. It can achieve excellent constant current performance with very few external components, so the system cost and size are greatly reduced.

The BP2863X operates in critical conduction mode, it can achieve precise output current and excellent line regulation. The driver output current does not change with the inductance and output voltage.

The BP2863X offers protections to improve the system reliability, including LED short circuit protection, and thermal regulation function.

Features

- Integrated [REDACTED]
- Integrated 100V Superfast Recovery Diode
- No VCC Capacitor and Startup Resistor
- Integrated High-PSRR HV-IC Power Supply
- No flicker in parallel with several lamps
- ±5% LED Output Current Accuracy
- Protection of LED short
- Thermal Regulation Function
- Available in ASOP7 Package

Applications

- LED Bulb
- LED Tube
- Other LED Lighting

Typical Application



