

Non-isolated Buck Offline LED Driver

Description

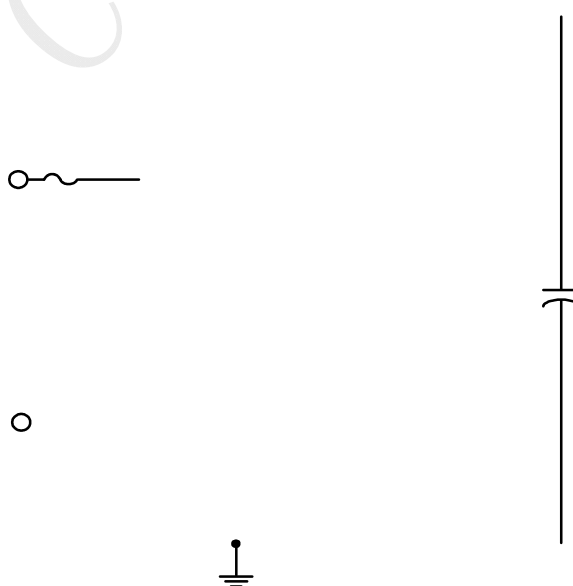
BP2863X is a high precision Buck constant current LED driver. The device operates in critical conduction mode and is suitable for 95Vac, 265Vac universal input offline LED lighting.

The BP2863X integrates a 500V power MOSFET, with gate MOSFET driving technique. It doesn't need a VCC capacitor and startup resistor. It achieves excellent thermal regulation current performance with uniformity and low components, so the system cost and size are greatly reduced.

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.

Typical Application



Features

- Integrated [REDACTED]
- Integrated [REDACTED] Superfast Recovery Diode
- No VCC Capacitor and Startup Resistor
- [REDACTED] Integrated [REDACTED] IC Power Supply
- No flicker in parallel with several lamps
- $\pm 5\%$ LED Output Current Accuracy
- [REDACTED]
- Thermal Regulation Function
- Available in ASOP7 Package

Applications

- LED Bulb
- LED Tube
- Other LED Lighting

