

Description

BP2364XN is a high precision non-isolated APFC buck LED driver, specially designed for universal mains with constant current control. BP2364XN operate in Critical Conduction Mode to reduce the switching loss and optimize the EMI.

BP2364XN remove the VCC capacitor, COMP capacitor and R_{ext} resistor to simplify the external BOM. And it utilizes specific protection function with fast turn-on time and high resolution current sense to ensure low conduction and switching loss.

BP2364XN offers full protection function to ensure the system reliability, including LED load short protection. The system reliability is further improved by the thermal protection function. Turn-on time setup and shutdown time can be adjusted when the driver is in condition of over temperature.

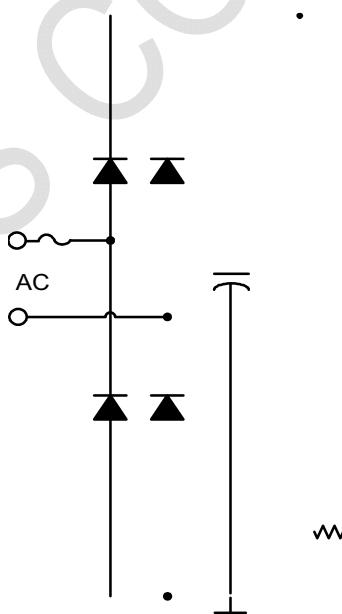
Features

- Active-PFC for High PF and Low THD
- No VCC and COMP capacitor
- Critical Conduction Mode Operation
- Short Protection
- LED Open Pro(OVP resister ADJ)
- Enable function is compatible with switcher IC and sensor light
- Cycle by Cycle Current Limit
- [REDACTED]
- Available in ASOP8 Package

Applications

- LED Bulb
- LED Tube
- Other LED Light

Typical Application





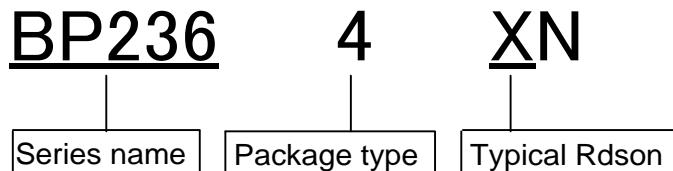
BPS 晶丰明源

Bright Power Semiconductor

BP2364XN

Non-inverting ADRC Buck LED Driver

Naming rules



Ordering Information

Part Number	Package	Lead Time Months	Min Qty
BP2364XN	ASOP8	Tape 5,000 pcs/Reel	BP2364 XXXXXYN XXXXXX

Pin Configuration and Mounting Information



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