

Description

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

BP2364XN remove the VCC capacitor, COMP capacitor and R_{CS} resistor to simplify the external BOM. And it utilizes specific algorithm to improve the efficiency and reduce the external components and improve the system reliability.

BP2364XN offers full-featured protection functions to improve the system reliability, including LED load short protection. The system reliability is further improved by the thermal shutdown function. The system will be shutdown when the junction temperature is in condition of over temperature.

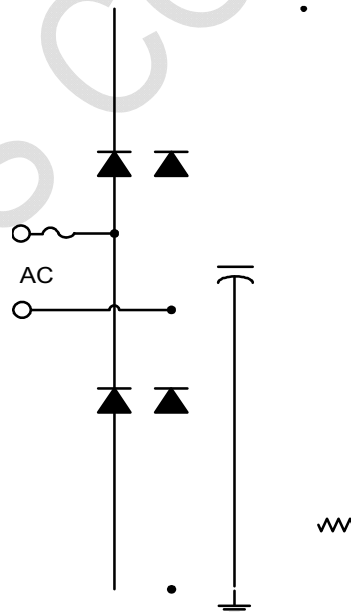
Features

- Active-PFC for High PF and Low THD
- No VCC and COMP capacitor
- Critical Conduction Mode Operation
- Short Protection
- LED Open Protection (OVP resistor ADJ)
- LED function is compatible with switch color LED and sensor light
- Cycle-by-Cycle Current Limit
- Thermal Regulation Function
- Available in ASOP8 Package

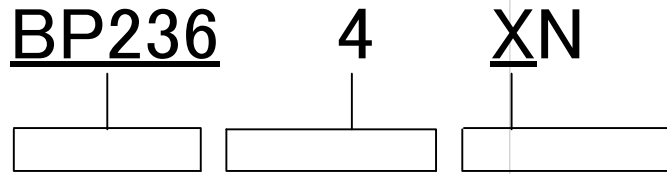
Applications

- LED Bulb
- LED Tube
- Other LED Light

Typical Application

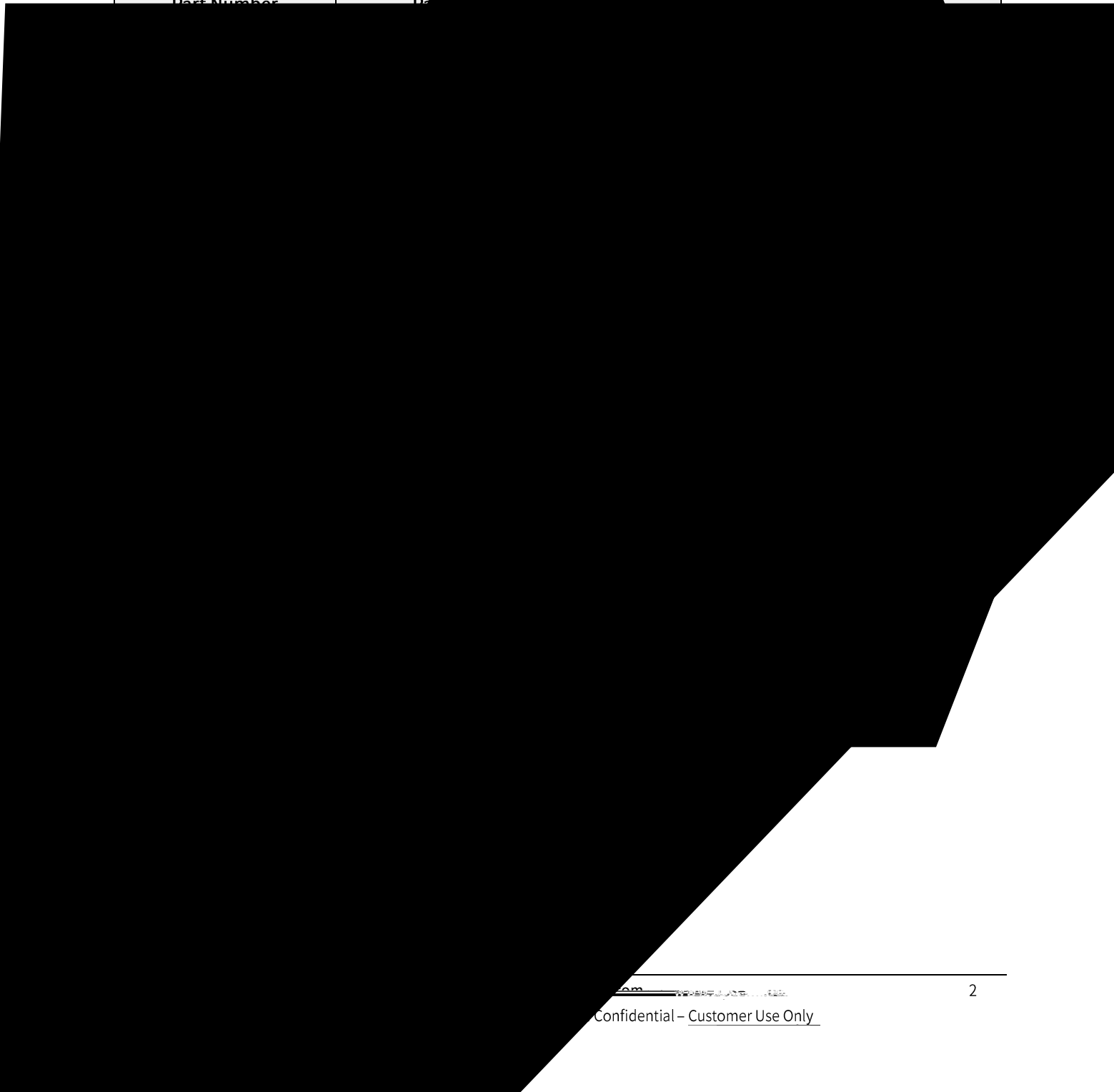


Naming rules



Ordering Information

Part Number	Part Name	Package	Marking
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