

## BOOST High PF Low THD CC Driver

### DESCRIPTION

PM2303 is a Boost constant current control chip of QR mode; it can be used not only for non-isolated applications, but also for FLYBACK isolation applications. Multiple patented technologies make it possible to achieve high PF and low THD with very few external components. PM2303 is mainly used in constant current drive power supply system with power less than 150W.

PM2303 can achieve high precision output constant current under wide input, output voltage and peripheral inductance parameters. Combine QR mode and MOSFET drain Voltage Valley-bottom opening technology to achieve high efficiency and low electromagnetic interference.

PM2303 integrates multiple protection functions, such as output open circuit, over-temperature protection, open circuit and short circuit protection of all pins to make sure

LED driver more reliable.

PM2301 is packaged in SOP8.

### FEATURE

- High PF or low THD
- Ultra-wide working voltage
- High voltage start-up and power supply
- QR and MOSFET driver technology
- Closed-loop constant current control technology
- Single winding inductor
- Programmable Output Open-circuit Protection
- CS Resistance Short Circuit Protection
- Over temperature compensation

### APPLICATIONS

- LED Constant current driver
- Constant voltage source...

### TYPICAL APPLICATION

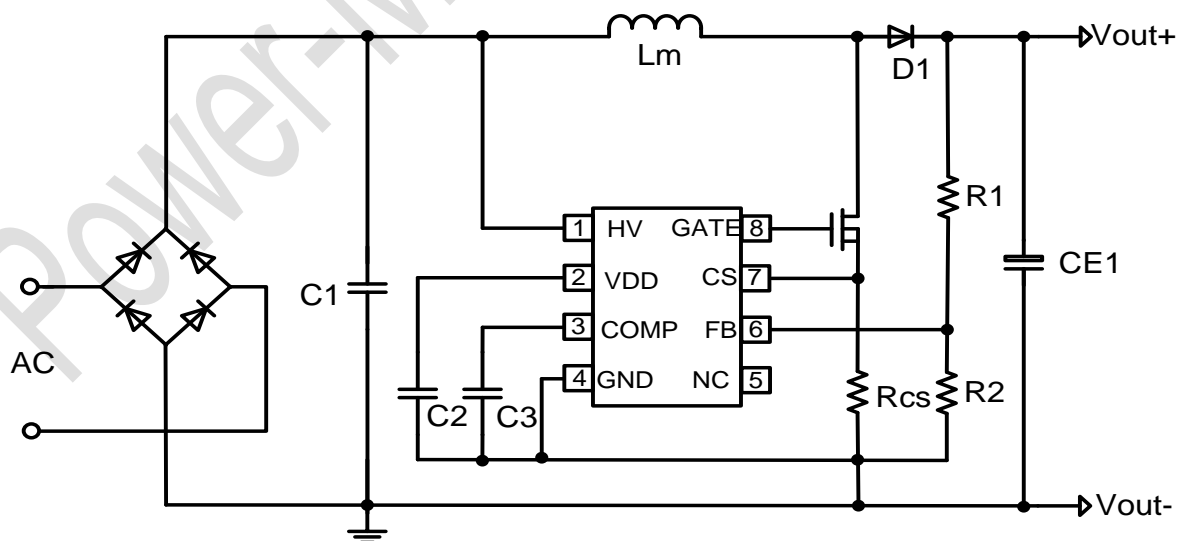


Figure 1: Non-Isolated Application