

Dimmable BOOST Hi-PF Low THD CC Driver

DESCRIPTION

PM2302 is a Boost constant current control chip of QR Mode. Multiple patented technologies make it possible to achieve high PF and low THD with very few external components. PM2302 is mainly used in constant current drive power supply system with power less than 150W. PM2302 is a QR Mode Boost constant current control chip.

PM2302 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. PM2302 also integrates patented dimmable technology, and can compatible with PWM/analogy dimmer.

PM2302 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.

PM2302 is packaged in SOP8.

FEATURE

- High PF or low THD
- Ultra-wide working voltage
- High voltage start-up and power supply
- PWM/Analogy dimming technology
- 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

