

QR Mode High Performance Switch-Power Controller

DESCRIPTION

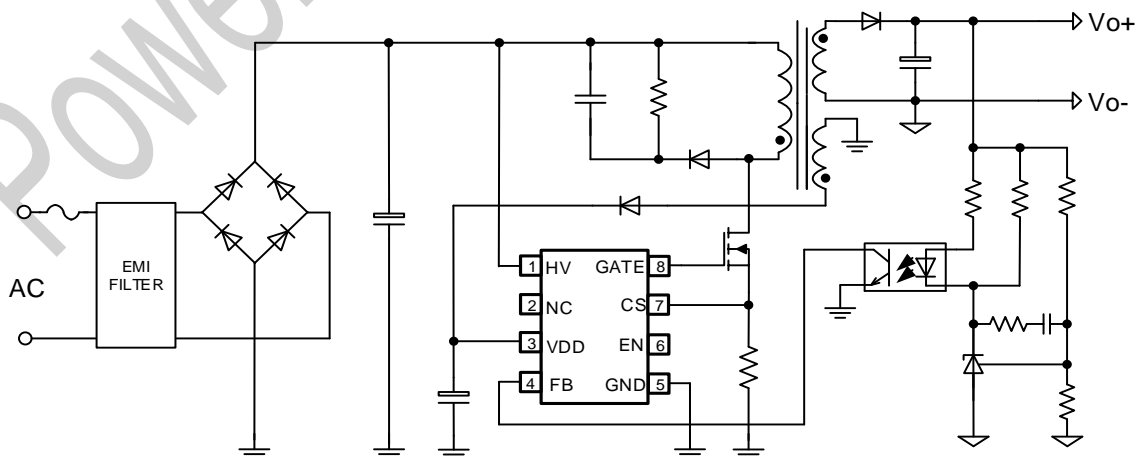
PM3203 is a constant voltage switch-power controller which works in QR mode. Multiple patented technologies make it possible to achieve high PF (APFC) and low PF application. PM3203 is mainly used in offline switch-power system less than 300W.

PM3203 integrates high-voltage quick-start and power-supply module. After startup, the quick-start module will be closed, which not only improves the system efficiency, but also can realize 30mW standby power easily, meeting the requirements of level-6 energy efficiency.

PM3203 works in critical mode (BCM), and cooperates with valley-switching technology to achieve high efficiency and low electromagnetic interference.

PM3203 integrates multiple protections to enhance system reliability and safety, such as cycle-by-cycle current limiting, over load protection (OLP), VCC under-voltage lockout (UVLO) and over voltage protection (OVP), over temperature protection (OTP), open circuit and short circuit protection, etc...

TYPICAL APPLICATION



PM3203 is packaged in SOP8.

FEATURES

- High PF or Low PF CV Application
- High-Voltage Fast Start & Power Supply Technology
- Low Standby Power, Level-6
- Programmable Soft Start
- No FB Sampling
- Internal QR Technology
- Ultra-Wide Working Range
- Internal Multiple Protections:
 - Cycle-By-Cycle Current Limit
 - Over-Load Protection
 - VCC Under-Voltage Lockout
 - VCC Over-Voltage Protection
 - Over Temperature Protection
 - CS Resistance Short Circuit Protection

APPLICATIONS

- Offline Switch-Powers
- Adapters, Chargers
- TV Power Supply, Auxiliary Power Supply
- Other Constant Voltage Source...