DESCRIPTION

MT79332 is a single-stage，primary side control AC-DC LED driver with active power factor correction. MT79332 integrates on-chip PFC circuit operates in critical conduction mode (CRM) to achieve high power factor and reduce the power MOSFET switching loss. With MAXIC Proprietary control technique, precision LED current is achieved without secondary side sense and feedback circuit including opto-coupler.

Embedded with 600V power MOSFET, the peripheral circuit is simplified.

MT79332 provides various protections, such as over current protection (OCP), over voltage protection (OVP), short circuit protection (SCP) and over temperature protection (OTP), etc, to improve system reliability.

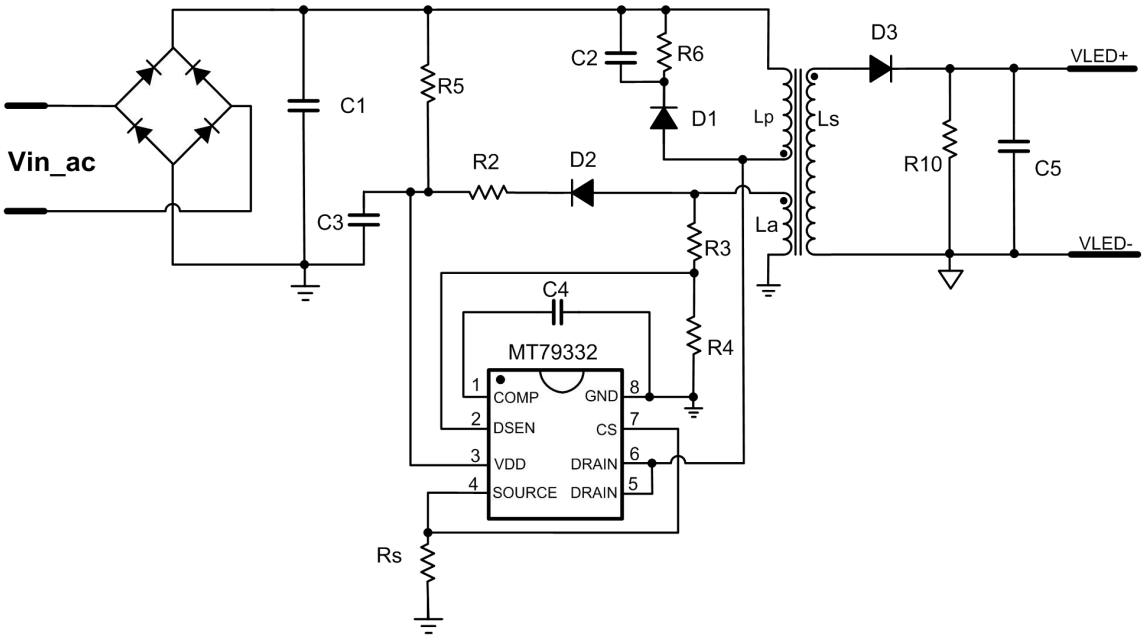
FEATURES

- Single-stage Active PFC for high power factor and low THD
- Primary side control eliminates opto-coupler
- High precision LED current (±3%)
- Critical Conduction Mode operation
- Cycle-by-cycle current limiting
- Under-voltage lockout (UVLO) protection
- VDD and output over voltage protection
- Adjustable constant current and output power setting
- Power on soft-start
- Embedded with 600V power MOSFET
- SOP8 package

APPLICATIONS

- AC/DC LED driver applications
- Signal and decorative LED lighting
- E27/PAR30/PAR38/GU10 etc. LED lamp
- T8/T10 LED String

Typical Application Circuit



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