MT7608

Wide Input Voltage Range, Linear LED Driver

DESCRIPTION

MT7608 is a high efficiency, high PF (PF>0.7), linear LED driver with wide input voltage range. The output constant current can be achieved by simple system structure with a few peripheral components, which greatly reduce the system cost.

MT7608 integrates twin constant current control loops, which makes it can support 108Vac to 265Vac wide input voltage range.

Embedded with high voltage power MOSFET and JFET supply circuit, the peripheral circuit is further simplified.

MT7608 integrates thermal regulation function to balance the output power and system temperature. The output current will be reduced while the junction temperature goes higher than the threshold, system reliability is guaranteed.

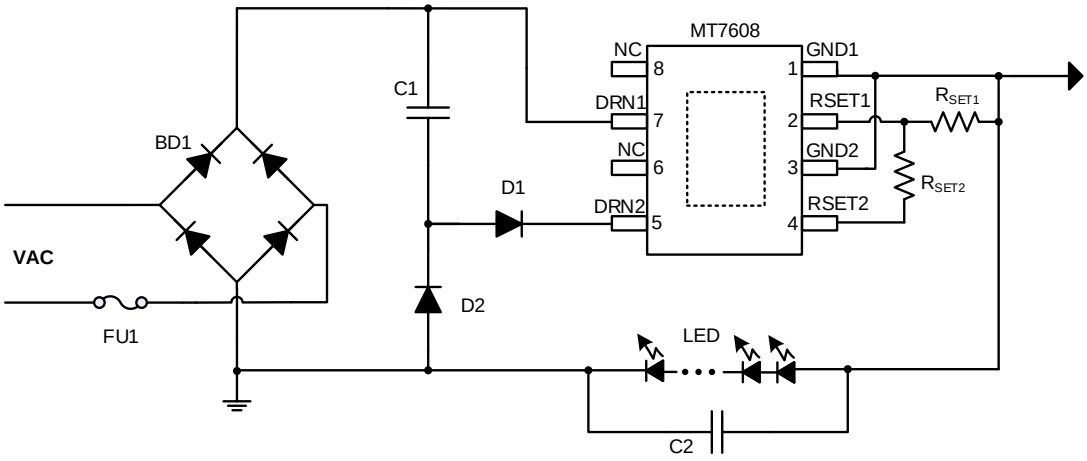
FEATURES

- Embedded with high voltage power supply circuit
- Integrated with 500V power MOSFET
- Support wide input voltage range
- High power factor (PF>0.7)
- Few external components, low BOM cost, support all SMD design
- LED current can be set by external resistor
- Embedded thermal regulation function
- Available in ESOP8 package

APPLICATION

- LED candle, filament lamp
- LED Bulb, projection lamp
- Other compact LED lightings

TYPICAL APPLICATION CIRCUIT



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