JW1765

Offline Step-down LED Controller With PFC and No Auxiliary Winding

Parameters Subject to Change Without Notice

DESCRIPTION

The JW®1765 is a constant current LED controller with high current accuracy which applies to single stage step-down power factor corrected LED drivers.

High accuracy of output current is achieved by sampling the output current directly. Critical conduction mode operation reduces the switching losses and largely increases the efficiency. JW1765 is supplied from the output directly, and auxiliary winding is not needed.

JW1765 has multi-protection functions which largely enhance the safety and reliability of the system, including VCC over-voltage protection, VCC UVLO, short-circuit protection, LED open protection, cycle-by-cycle current limit and over-temperature protection.

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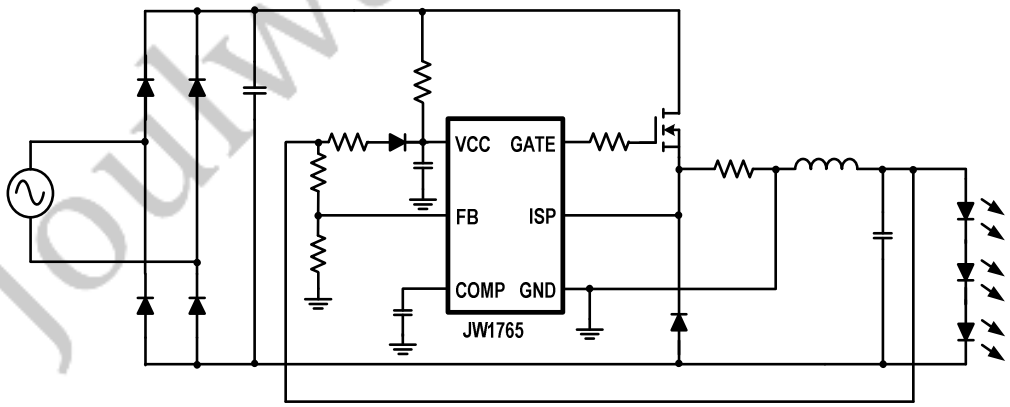
FEATURES

- No auxiliary winding
- High current accuracy of line and load regulation
- High power factor with low output current-ripple
- Critical conduction mode
- High efficiency over wide operating range
- Cycle-by-cycle current limit
- LED short protection
- LED open protection
- Over-temperature protection
- Compact SOT23-6 package

APPLICATIONS

- Non-isolation Offline LED driver

TYPICAL APPLICATION



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