

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1758A/B/C/D is a constant current LED driver with high current accuracy which applies to single stage step-down power factor corrected LED drivers. High voltage power MOS is integrated, which can significantly simplify the design of LED lighting system.

JW1758A/B/C/D integrates high voltage power source, and can be supplied by line voltage directly, and auxiliary winding is not needed.

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.

JW1758A/B/C/D has multi-protection functions which largely enhance the safety and reliability of the system, including VCC over-voltage protection, VCC UVLO, LED open protection, pulse-by-pulse current limit, inductor short protection and over-temperature protection.

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FEATURES

- No auxiliary winding
- Supplied from line voltage directly
- High voltage MOSFET integrated
- High current accuracy of line and load regulation
- High power factor
- Critical conduction mode
- High efficiency over wide operating range
- Cycle-by-cycle current limit
- LED open protection
- Inductor short protection
- ISP short protection
- Internal over-temperature protection
- SOP7 and DIP7 package

APPLICATIONS

- Non-isolation Offline LED driver

TYPICAL APPLICATION

