

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1609 is a multi-topology LED controller with active power factor correction. It is especially designed for LED lighting system. The JW1609 controls the LED current accurately without using an opto-coupler, which can significantly simplify the design of LED lighting system.

The JW1609 achieves high power factor over wide line and load ranges, compared to conventional constant on time control, it also significantly optimized the THD by an improved on time control.

The multi-protection function largely enhances the safety and reliability of the system, including over voltage protection; short circuit protection, LED open protection, cycle-by-cycle current limit, VCC UVLO and over-temperature protection.

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FEATURES

- Real current control without secondary feedback circuit
- Multi-topology supported
- High current accuracy of line regulation
- Active power factor correction
- Optimized THD
- Valley turn-on to low switching loss
- Cycle-by-cycle current limit
- LED short protection
- LED open protection
- Over-temperature protection
- 6-Pin SOT23-6 package

APPLICATIONS

- Offline LED Driver

TYPICAL APPLICATION

