

*Parameters Subject to Change Without Notice*

## DESCRIPTION

The JW<sup>®</sup>1600 is a primary-side control offline flyback controller with active power factor correction. It is especially designed for LED lighting system. The JW1600 controls the LED current accurately without using an opto-coupler, which can significantly simplify the design of LED lighting system. Utilizing an on-chip multiplier, the JW1600 achieves high power factor over wide line and load ranges.

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
- High current accuracy of line regulation
- Active power factor correction
- Low harmonic content
- External PWM dimming
- High efficiency over wide operating range
- Cycle-by-cycle current limit
- Input over-voltage protection
- LED short protection
- LED open protection
- Over-temperature protection
- 8-Pin SOP package

## APPLICATIONS

- Offline LED Driver

## TYPICAL APPLICATION

