

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1760 is a constant current LED controller with high current accuracy which applies to single stage step-down LED drivers.

High accuracy of output current is achieved by sensing the output current directly. Critical conduction mode operation reduces the switching losses and significantly increases the efficiency. JW1760 can be supplied from the output directly, and auxiliary winding is not needed.

JW1760 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
- Good Line and Load Regulation (<+-1%)
- Critical Conduction Mode
- High Efficiency over universal input range
- Cycle-by-cycle Current Limit
- LED Short Protection
- LED Open Protection
- Over Temperature Protection
- SOT23-5 Package

APPLICATION

- LED Driver

TYPICAL APPLICATION

