

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1531O is a constant voltage constant current controller with high accuracy.

JW1531O integrates high voltage power source, and can be supplied from line voltage directly, and auxiliary winding is not needed, which largely simplifies the system.

Low standby consumption can be achieved with deep pulse frequency modulation. Critical conduction mode operation reduces the switching losses and largely increases the efficiency.

JW1531O has multi-protection functions which largely enhance the safety and reliability of the system, including VCC over-voltage protection, VCC UVLO, LED short protection, pulse-by-pulse current limit and over-temperature protection.

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FEATURES

- No auxiliary winding
- Supplied from line voltage directly
- High current accuracy of line and load regulation
- Low output current-ripple
- Critical conduction mode
- High efficiency over wide operating range
- Cycle-by-cycle current limit
- LED short protection
- Internal over-temperature protection
- SOP8 package

APPLICATIONS

- Smart LED Lighting

TYPICAL APPLICATION

