

Parameters Subject to Change Without Notice

DESCRIPTION

JW[®]1237, integrated with 150V NMOSFET, is used to drive a LED string, and remove the 100/120Hz LED current ripple on AC/DC power by a capacitor between VC and GND.

The adaptive technology ensures minimum power dissipation on JW1237 while removing LED current ripple.

Specially designed algorithms support the good compatibility for dimming and electronic load applications. The adaptive techniques of JW1237 ensure minimum power dissipation while removing LED current ripple.

JW1237 allows user to setup maximum LED current, which protects JW1237 from being damaged when LED short connected or hot-plug. JW1237 also allows users to setup the maximum cathode voltage of LED string, which could help limit the power dissipation on chip.

JW1237A has multi-protection functions which largely enhance the safety and reliability of the system, including VIN UVLO, short-circuit protection, LED open protection, and over temperature protection.

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FEATURES

- Adaptive 100/120Hz current ripple remover
- 150V high voltage NMOSFET integrated
- Built-in zener diode for input voltage clamping
- VG output voltage high to 10V
- Programmable amplitude of LED current ripple
- Programmable maximum cathode voltage of LED
- Programmable maximum LED current
- Short protection
- Over temperature protection
- ESOP8 Package

APPLICATIONS

- LED lighting

TYPICAL APPLICATION

