

Parameters Subject to Change Without Notice

DESCRIPTION

JW[®]1251A, integrated with 60V 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 of JW1251A ensures minimum power dissipation on NMOSFET while removing LED current ripple.

Patented control strategies are optimized for dimmable solutions.

JW1251A enables good ripple removing performance in the whole output current range and excellent system dynamic responding speed in the fast dimming.

JW1251A provides short circuit protection and over temperature protection (OTP). OTP is triggered at 145°C, ripple current will be released with the temperature.

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FEATURES

- Adaptive 100/120Hz current ripple remover
- 60V high voltage NMOSFET integrated
- Compatible with dimming and electronic load applications
- Built-in zener diode for input voltage clamping
- 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

