

Adaptive Current Ripple Removing Controller

FEATURES

- Adaptive Constant Current Operation with Large Ripple Input
- Internal 650V LDO for VDD Supply
- Fast Transient Response for Input On/OFF
- Compatible with Triac Dimming Condition
- Support No Overshoot Startup Operation
- Inrush Current Limiting Protection
- LED Short Protection with Auto Recovery
- Over Temperature Protection
- Available with SOT23-6 Package

APPLICATIONS

- High PF LED Driver

GENERAL DESCRIPTION

KP421 is a current ripple removing controller, which can remove 100Hz/120Hz current ripple produced by preceding stage LED controller with external MOSFET. And no stroboscopic can be achieved with proper design.

KP421 integrates with adaptive current adjustment function to remove current ripple and minimize power loss. The control algorithm can ensure good steady and dynamic performance and can be compatible with Triac Dimming.

KP421 integrates functions and protections of LED short circuit protection, OCP, LED open circuit protection and thermal foldback(OTP), etc.

TYPICAL APPLICATION CIRCUIT

