

TRIAC-Dimmable High Power Linear LED Driver

DESCRIPTION

PM2029 is a TRIAC-dimmable linear LED driver with high efficiency. It makes the peripheral circuit simpler to achieve lower BOM cost of LED driver.

PM2029 integrates two fixed constant current sources, one to control bleeder current and the other one to control external MOSFET, which can be applied to high-power triac-dimming applications.

PM2029 use the 500V high voltage semiconductor manufacturing process to ensure the reliability when the input transient high voltage appeared. And it also integrates multiple protections to enhance system reliability and safety, such as over temperature compensation, output shorted circuit protection, output open circuit protection, CS resistance open circuit protection, etc...

FEATURE

- 10% Higher Efficiency Than Traditional Linear TRIAC Dimmer
- Compatible With TRIAC Dimmer
- High Power Factor, PF>0.9
- Support SMD Process
- Over Temperature Compensation
- Output Open Circuit Protection
- ESOP8 Package

APPLICATIONS

- LED Filament Lighting, Bulb Lighting, Candle Lighting
- LED Fluorescent Lighting, Down Lighting, Panel Lighting
- Others
- ...

TYPICAL APPLICATION

