

TRIAC-Dimmable High Efficiency Linear LED Driver

DESCRIPTION

PM2036 is a TRIAC-dimmable linear LED driver with high efficiency. It makes LED driver system very simply, just need very few other components, to achieve extremely low BOM cost of LED driver.

PM2036 integrates two fixed constant current sources, which can be flexibly configured. When used independently, PM2036 can control two LED circuits simultaneously by a single IC for triac-dimming applications. And when used in parallel, PM2036 has an extremely flexible application scheme, which can not only take into account the high power factor, but also configure the photoelectric integration scheme with $PF > 0.9$, and also can use the traditional triac-dimmer for dimming.

PM2036 use the 500V high voltage semiconductor manufacturing process to ensure the reliability when the input transient high voltage appeared. And it also integrated over temperature compensation (OTC), output

shorted circuit protection, output open circuit protection, CS resistance open circuit protection to increase reliability of LED system.

FEATURE

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

APPLICATIONS

- LED Filament Lighting
- LED Bulb Lighting
- LED Candle Lighting
- Others

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TYPICAL APPLICATION

