

Two-Step LED Current Controller

Cost Effective LED Lighting Solution

FEATURES

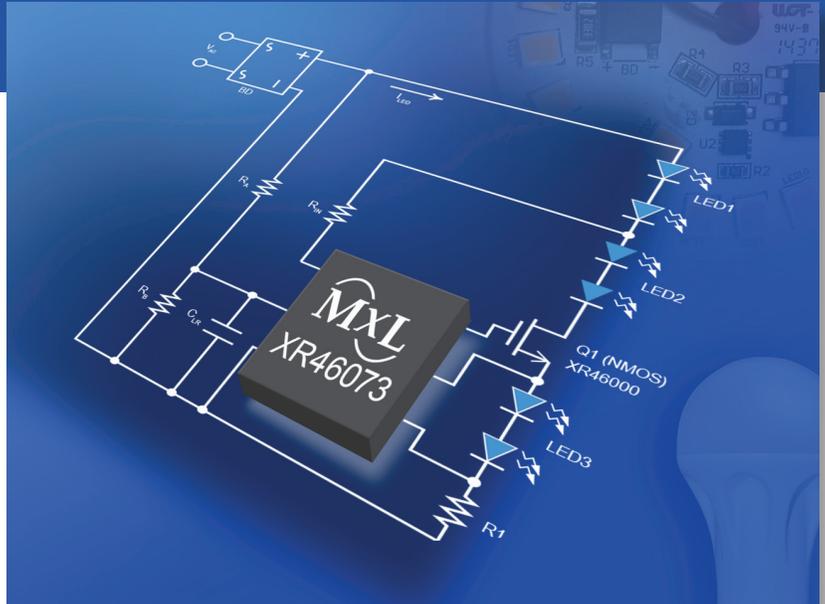
- Two-current step control from single device
- Excellent system power regulation over AC line variation range
- 6V to 78V chip supply voltage range
- Over temperature protection
- Overvoltage protection
- DFN 2mm x 2mm 6L package

BENEFITS

- Single-board LED lighting solution
- All solid state components
- No electrolytic capacitor or MOV required
- Scalable architecture allows optimization of performance vs. cost
- Driver-on-board and chip-on-board design solution available which minimize process flow and assembly cost
- High PF and Low THD performance
- Flexible PCB layout options
- TRIAC dimmable

APPLICATIONS

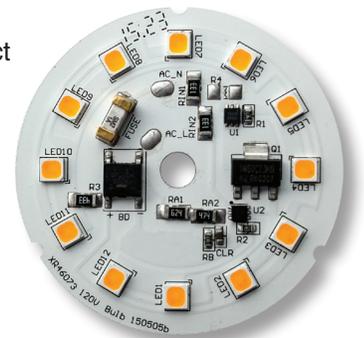
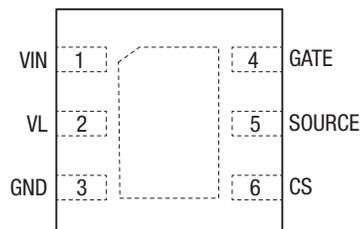
- "A" series LED bulbs
- Candelabra LED bulbs
- LED down lights
- LED ceiling lamps
- AC LED lighting engines



The **XR46073** is a two-step LED current controller with line regulation compensation for operating over a wide Alternative Current (AC) voltage source range. It can drive an external N-channel power MOSFET to regulate the current flowing through a High Voltage (HV) LED string.

The XR46073 works as a constant current sink with linear type Overvoltage Protection (OVP), linear type Over Temperature Protection (OTP) and line regulation compensation. It is suitable for applications with a rectified AC voltage source.

The PCB design can be very compact to meet various shape requirements. It is especially suitable for replacing incandescent light bulb and linear type fluorescent lamps.


DFN-2X2-6L TOP VIEW

XR46073 Pin Configuration
DFN 2mm x 2mm 6L

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