

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1121 is a current mode monolithic buck LED driver. Operating with an input range of 4.2V-20V, JW1121 delivers 1.5A of continuous output current with two integrated N-Channel MOSFETs. The internal synchronous power switches provide high efficiency without the use of an external Schottky diode. It incorporates analog dimming mode and PWM signal to analog dimming mode onto a single control pin.

The JW1121 guarantees robustness with LED short protection, thermal protection, start-up current run-away protection, input under voltage lockout.

The JW1121 is available in 6-pin SOT23 packages, which provide a compact solution with minimal external components.

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FEATURES

- 4.2V to 20V operating input range
- 1.5A output current
- Up to 94% efficiency @ Vin=12V, Vout=6V
- 1MHz Switching frequency
- Input under voltage lockout
- Start-up current run-away protection
- LED short protection
- Thermal protection
- Available in SOT23-6 packages

APPLICATIONS

- IP camera and CCD camera
- Flash light
- Display cabinet lamp
- LED Sign

TYPICAL APPLICATION

1A Buck LED Driver

