

*Parameters Subject to Change Without Notice*

## DESCRIPTION

The JW<sup>®</sup>5069B is a monolithic buck switching regulator based on I2 architecture for fast transient response. Operating with an input range of 4V~23V, JW5069B delivers 6A 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. At light loads, the regulator operates in low frequency to maintain high efficiency and low output ripples.

JW5069B guarantees robustness with output short protection, thermal protection, current run-away protection, and input under voltage lockout.

JW5069B is available in QFN3X3-20 package, which provide a compact solution with minimal external components.

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## FEATURES

- 4V to 23V operating input range
- 6A output current
- Up to 95% efficiency
- High efficiency at light load
- 650kHz frequency
- Fixed 3.3V LDO output supplies 200mA
- Input under voltage lockout
- Power good indicator
- Output discharge function
- Output Over/Under Voltage Protection
- Output short protection
- Thermal protection
- Available in QFN3X3-20 package

## APPLICATIONS

- Industrial and commercial low power system
- Computer peripherals
- LDO monitors and TVs
- Green Electronics/ Appliances

## TYPICAL APPLICATION

