

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]5075 is a monolithic buck switching regulator based on I² architecture for fast transient response. Operating with an input range of 4V~20V, JW5075 delivers 10A 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.

JW5075 guarantees robustness with output short protection, thermal protection, current run-away protection, and input under voltage lockout.

JW5075 is available in QFN3X3-20 package, which provide a compact solution with minimal external components.

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FEATURES

- 4V to 20V operating input range
- 10A continuous output current
- Up to 95% efficiency
- High efficiency at light load
- 500kHz switching frequency
- Power good indicator
- Input under voltage lockout
- Output discharge function
- Output short protection
- Thermal protection
- Available in QFN3X3-20 package

APPLICATIONS

- Distributed Power Systems
- Networking Systems
- FPGA, DSP, ASIC Power Supplies
- Green Electronics/ Appliances
- Notebook Computers

TYPICAL APPLICATION

