

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]5041T is a monolithic buck switching regulator based on I² architecture for fast transient response. Operating with an input range of 4V~18V, JW5041T delivers 2A 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.

JW5041T guarantees robustness with output short protection, thermal protection, current run-away protection, input under voltage lockout.

JW5041T is available in TSOT23-6 and TSOT23-8 packages, which provide a compact solution with minimal external components.

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FEATURES

- 4V to 18V operating input range
- 2A output current
- Up to 95% efficiency
- 800kHz switching frequency
- Internal soft-start
- Input under voltage lockout
- Current run-away protection
- Output short protection
- Thermal protection
- Available in TSOT23-6 and TSOT23-8 packages

APPLICATIONS

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

TYPICAL APPLICATION

3.3V/2A Step-down Regulator

