

*Parameters Subject to Change Without Notice*

## DESCRIPTION

The JW<sup>®</sup>5034 is a current mode monolithic buck voltage converter. Operating with an input range of 4.7V-24V, the JW5034 delivers 2A of continuous output current with two integrated N-Channel MOSFETs. The JW5034 operates in fixed 570 KHz frequency for all load range to prevent low frequency interference.

The JW5034 guarantees robustness with over current protection, thermal protection, start-up current run-away protection, and input under voltage lockout.

The JW5034 is available in a 6-pin TSOT23-6 package, which provides a compact solution with minimal external components.

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## FEATURES

- 4.7V to 24V operating input range
- 2A output current
- Up to 93% efficiency
- Fixed 570kHz Switching frequency
- Input under voltage lockout
- Start-up current run-away protection
- Over current protection and Hiccup
- Thermal protection
- Available in TSOT23-6 package

## APPLICATIONS

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

## TYPICAL APPLICATION

**2A Buck Voltage Converter**

