

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]5052S is a current mode monolithic buck voltage converter. Operating with an input range of 3.7~18V, the JW5052S delivers 2A of continuous output current with two integrated N-Channel MOSFETs. At light loads, regulators operate in low frequency to maintain high efficiency and low output ripple.

The JW5052S guarantees robustness with short circuit protection, thermal protection, current run-away protection, and input under voltage lockout.

The JW5052S is available in a 6-pin TSOT23-6 package, which provides a compact solution with minimal external components.

Company's Logo is Protected, "JW" and "JOULWATT" are Registered Trademarks of JoulWatt technology Inc.

FEATURES

- 3.7V to 18V operating input range
- 2A output current
- Up to 95% efficiency
- High efficiency (>80%) at light load
- Fixed 800kHz 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

3.3V/2A Step Down Regulator

