

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]5222A is a current mode monolithic buck switching regulator. Operating with an input range of 2.5V-5.5V, the JW5222A delivers 2A of continuous output current with integrated P-Channel and N-Channel MOSFETs. The internal synchronous power switches provide high efficiency. At light loads, the regulator operates in continual conduction mode to maintain low output ripple. Current mode control provides tight load transient response and cycle-by-cycle current limit.

The JW5222A guarantees robustness with hiccup output short-circuit protection, FB short-circuit protection, start-up current run-away protection, input under voltage lockout protection, hot-plug in protection, and thermal protection.

The JW5222A provides output power good indication.

The JW5222A is available in 8-pin DFN2X2-8 package, which provides a compact solution with minimal external components.

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FEATURES

- 2.5V to 5.5V operating input range
- Up to 2A output current
- Internal Soft-Start
- Fixed 2.2MHz switching frequency
- Input under voltage lockout
- Short circuit protection
- Thermal protection
- Hot-plug in protection
- Output POK indication
- Available in DFN2X2-8 package

APPLICATIONS

- 5V or 3.3V Point of Load Conversion
- Set Top Boxes
- Telecom/Networking Systems
- Storage Equipment
- GPU/DDR Power Supply

TYPICAL APPLICATION

