

## DESCRIPTION

The JW5262NF is a monolithic buck switching regulator based on constant on-time (COT) control for fast transient response. Operating with an input range of 2.6V-6.0V, the JW5262NF 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, JW5262NF operates in forced CCM to maintain low output ripples.

The JW5262NF guarantees robustness with hiccup output short-circuit protection, start-up current run-away protection and input under voltage lockout, and thermal protection.

The JW5262NF is available in 5-pin SOT23-5 package, which provides a compact solution with minimal external components.

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## FEATURES

- 2.6V to 6.0V Operating Input Range
- Up to 2A Output Current
- Up to 97% Peak Efficiency
- 1% Feedback Voltage Accuracy
- Internal Soft-start
- 1.5MHz Switching Frequency
- Input Under Voltage Lockout
- Current Run-away Protection
- Short Circuit Protection
- Thermal Protection
- Available in SOT23-5 Package

## APPLICATIONS

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

## TYPICAL APPLICATION

