

*Parameters Subject to Change Without Notice*

### DESCRIPTION

The JW<sup>®</sup>5017A is a current mode monolithic buck switching regulator. Operating with an input range of 4.5V~26V, the JW5017A delivers 1.2A of continuous output current with two integrated N-Channel MOSFETs. The JW5017A operates in fixed frequency for all load range to prevent low frequency interference. Operating frequency can be selected by a resistor connected between FB pin and divider.

The JW5017A guarantees robustness with over current protection, thermal protection, start-up current run-away protection, and input under voltage lockout.

The JW5017A is available in 6-pin SOT23-6 package, which provides a compact solution with minimal external components.

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### FEATURES

- 4.5 V to 26 V operating input range
- 1.2A output current
- Up to 94% efficiency
- Internal Soft-Start
- Optional Fixed Switching frequency 750kHz/1.1MHz
- Available in SOT23-6 package
- Input under voltage lockout
- Start-up current run-away protection
- Over current protection and Hiccup
- Thermal protection

### APPLICATIONS

- Distributed Power Systems
- Automotive Systems
- High Voltage Power Conversion
- Industrial Power Systems
- Battery Powered Systems

### TYPICAL APPLICATION

5V/1.2A Step Down Regulators

