

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]5017F is a current mode monolithic buck switching regulator. Operating with an input range of 4.5V~26V, the JW5017F delivers 1.2A of continuous output current with two integrated N-Channel MOSFETs. The JW5017F operates in fixed 1.2MHz for all load range to prevent low frequency interference.

The JW5017F guarantees robustness with over current protection, thermal protection, start-up current run-away protection, and input under voltage lockout.

The JW5017F is available in 6-pin SOT23-6 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

- 4.5 V to 26 V operating input range
- 1.2A output current
- Up to 94% efficiency
- Internal soft-start
- Fixed 1.2MHz switching frequency
- 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

