

Parameters Subject to Change Without Notice

DESCRIPTION

JW[®]7718A is a synchronous rectifier, used for the secondary side rectification of Flyback. By driving an internal MOSFET, JW7718A is able to significantly improve the efficiency comparing with the conventional Diode rectifier.

When JW7718A senses V_{SW} of internal MOSFET less than -300mV, it turns on the internal MOSFET. Once the V_{SW} is greater than -10mV, JW7718A turns off the MOSFET.

JW7718A supports multiple operation modes, such as DCM, CrCM, CCM and Quasi-Resonant. By implementing the Joulwatt proprietary technology, JW7718A is able to handle CCM operation.

JW7718A is available in SOP-8 package..

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FEATURES

- Supports DCM, Quasi-Resonant, CrCM and CCM operation
- Support the Flyback topology
- Supports High-side and Low-side Rectification
- Output voltage directly supply VCC
- Low quiescent current
- Under-voltage protection
- Fast driver capability for CCM operation
- SOP8 package

APPLICATIONS

- Flyback converter
- Adaptor

TYPICAL APPLICATION

