

Parameters Subject to Change Without Notice

DESCRIPTION

JW[®]7719 is a synchronous rectifier, used for the secondary side rectification of Flyback. By driving an internal MOSFET, JW7719 is able to significantly improve the efficiency comparing with the conventional Diode rectifier.

When JW7719 senses V_{DS} of internal MOSFET less than -300mV, it turns on the internal MOSFET. Once the V_{SW} is greater than -10mV, JW7719 turns off the internal MOSFET.

JW7719 supports multiple operation modes, such as DCM, CrCM, CCM and Quasi-Resonant. By implementing the Joulwatt proprietary technology, JW7719 is able to handle CCM operation.

JW7719 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
- SOP-8 package

APPLICATIONS

- Flyback converter
- Adaptor

TYPICAL APPLICATION

