

Parameters Subject to Change Without Notice

DESCRIPTION

JW[®]7719A is a synchronous rectifier, used for the secondary side rectification of Flyback. By driving an internal MOSFET, JW7719A is able to significantly improve the efficiency comparing with the conventional Diode rectifier.

When JW7719A senses V_{DS} of internal MOSFET less than -300mV, it turns on the internal MOSFET. Once the V_{SWS} is greater than -10mV, JW7719A turns off the internal MOSFET.

JW7719A supports multiple operation modes, such as DCM, CrCM, CCM and Quasi-Resonant. By implementing the Joulwatt proprietary technology, JW7719A is able to handle CCM operation.

JW7719A 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

