

Preliminary Specifications Subject to Change without Notice

## DESCRIPTION

JW7726HAEC is a synchronous rectifier, used for the secondary side rectification of isolation topologies, such as Active Clamp Flyback and CCM/QR/DCM Flyback. JW7726HAEC is able to significantly improve the efficiency comparing with the conventional Diode rectifier.

When JW7726HAEC senses  $V_{ds}$  of MOSFET less than -140mV, it turns on the internal MOSFET. Once the  $V_{ds}$  is greater than -6mV, JW7726HAEC turns off the internal MOSFET.

JW7726HAEC supports multiple operation modes, such as DCM, CrCM, CCM and Quasi-Resonant. By implementing the Joulwatt proprietary technology, JW7726HAEC is able to handle CCM operation.

JW7726HAEC is available in PVDFN5\*6-8 package.

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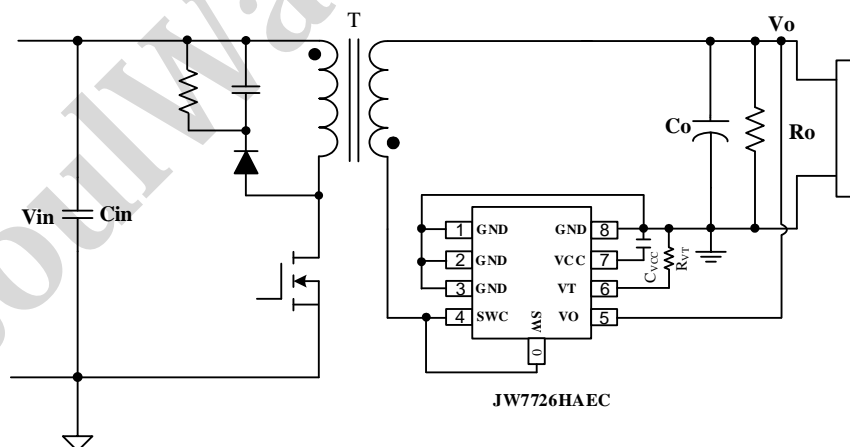
## FEATURES

- Supports Active Clamp Flyback, DCM, Quasi-Resonant, and CCM Flyback
- Support High-side and Low-side Rectification
- Output Voltage Directly Supply VCC
- Low Quiescent Current
- Fast Driver Capability for CCM Operation
- PVDFN5\*6-8 Package

## APPLICATIONS

- Active Clamp Flyback and Flyback Converters
- Adaptor
- LCD and PDP TV

## TYPICAL APPLICATION



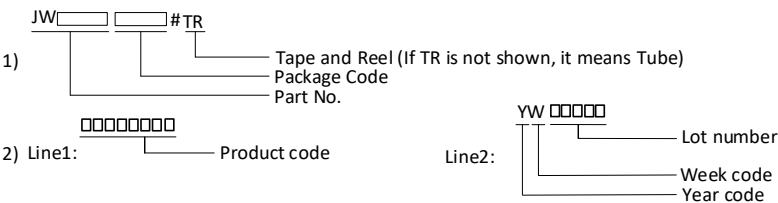
JW7726HAEC Typical Application for Low-side



ORDER INFORMATION

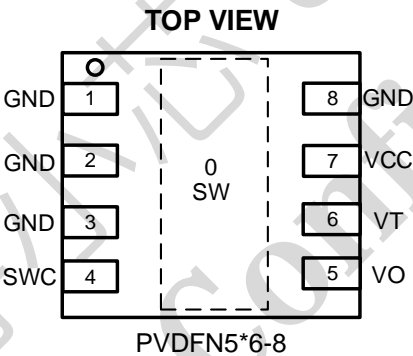
DEVICE <sup>1)</sup>	PACKAGE	TOP MARKING <sup>2)</sup>	ENVIRONMENTAL <sup>3)</sup>
JW7726HAECPVDLQF#TR	PVDFN5*6-8	7726HAEC YW□□□□□	Green

Notes:



3) All Joulwatt products are packaged with Pb-free and Halogen-free materials and compliant to RoHS standards.

PIN CONFIGURATION



PIN DESCRIPTION

PIN PVDFN5*6-8	NAME	DESCRIPTION
1,2,3,8	GND	Ground.
4	SWC	Internal Power MOSFET Drain Voltage Sensing. Charging to VCC.
5	VO	Output Voltage Sensing and Charging to VCC.
6	VT	Set the Voltage-second Product.
7	VCC	Power Supply. Bypass a Capacitor Between VCC and GND.
0	SW	Internal Power MOSFET Drain.

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