

AC to DC Switching Converter Boost/Buck/Flyback/Off-Line Switcher 4.25V 66kHz Tube 10-Pin SSOP



Images are for reference only

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SSOP-10

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The device is a high voltage converter smartly integrating an 800 V avalanche-rugged power MOSFET with PWM current mode control. The power MOSFET with 800 V breakdown voltage allows the extended input voltage range to be applied, as well as the size of the DRAIN snubber circuit to be reduced. This IC meets the most stringent energy-saving standards as it has very low consumption and operates in pulse frequency modulation under light load. The design of flyback, buck and buck boost converters is supported. The integrated HV startup, sense-FET, error amplifier and oscillator with jitter allow a complete application to be designed with the minimum number of components.

Key Features

800V avalanche-rugged power MOSFET allowing ultra wide VAC input range to be covered

Embedded HV startup and sense-FET

Current mode PWM controller

Drain current limit protection (OCP)

Wide supply voltage range: 4.5V to 30V

Self-supply option allows the auxiliary winding or bias components to be removed

Minimized system input power consumption:

Less than 10mW @ 230VAC in no-load condition

Less than 400mW @ 230VAC with 250mW load

Recommended For You

VIPER06LN

STMicroelectronics, Inc

DIP-7

VIPER318HDTR

STMicroelectronics, Inc

SOP

VIPER17HN

STMicroelectronics, Inc

DIP7

VIPer12ADIP - E

STMicroelectronics, Inc

DIP8

VIPER26LN

STMicroelectronics, Inc

DIP

VIPER222XSTR

STMicroelectronics, Inc

10-SOP

VIPER16HN

STMicroelectronics, Inc

DIP-7

VIPER122LSTR

STMicroelectronics, Inc

SSOP10

VIPER011XS

STMicroelectronics, Inc

SSOP-10

VIPER012BHSTR

STMicroelectronics, Inc

10-SOP

VIPER35LD

STMicroelectronics, Inc

SOP16

VIPER318LDTR

STMicroelectronics, Inc

SOP

VIPER012LSTR

STMicroelectronics, Inc

10-SOP

VIPER0PHDTR

STMicroelectronics, Inc

SO-16

VIPER319LDTR

STMicroelectronics, Inc

16-SOIC