VIPer32
VIPer32DIP / VIPer32S

OFF LINE SMPS PRIMARY SWITCHER

TARGET SPECIFICATION

TYPICAL POWER CAPABILITY

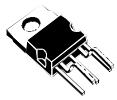
Mains type	SO-8	DIP-8	PENTAWATT
European (195 - 265 Vac)	18 W	30 W	50 W
US / Wide range (85 - 265 Vac)	11 W	18 W	30 W

Note: 1. Above power capabilities are given under adequate thermal conditions

- FIXED 60 KHZ SWITCHING FREQUENCY
- 9.2V TO 35.7V WIDE RANGE V_{DD} VOLTAGE
- CURRENT MODE CONTROL
- UNDERVOLTAGE LOCKOUT WITH HYSTERESIS
- HIGH VOLTAGE START UP CURRENT SOURCE
- OVERTEMPERATURE AND OVERVOLTAGE PROTECTION WITH AUTORESTART
- EFFICIENT OVERLOAD AND SHORT CIRCUIT CONTROL

SO-8

DIP-8



PENTAWATT HV (022Y)

ORDER CODES		
PACKAGE	**TUBE**	**T&R**
SO-8	VIPer32S	VIPer32S13TR
DIP-8	VIPer32DIP	
PENTAWATT	VIPer32	

DESCRIPTION

The VIPer32 combines a dedicated current mode PWM controller with a high voltage Power MOSFET on the same silicon chip. Typical applications cover off line power supplies for VCR or DVD players, set top boxes, etc. The internal control circuit offers the following benefits:

– Large input voltage range on the V_{DD} pin together with automatic burst mode provides a good performance in low load condition.

– Delayed overload protection by feedback monitoring.

BLOCK DIAGRAM