

Products

AC-DC(Non-isolated)

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LV Product Line

HV Product Line

AC-DC(SSR)

AC-DC(PSR)

AC-DC(SR)

AC-DC(Non-isolated)

LED Lighting

Half-Bridge Driver

Display Driver

NeoFET

Others

Popular !

PN8016

PN8016



Non-isolated Off-line PWM converters

General Description

The PN8016 consists of an integrated Pulse Width Modulator (PWM) controller and power MOSFET, specifically designed for small power non-isolated switching power supply. Variable output voltage could be adjusted by FB resistors. PN8016 has internal high voltage start-up and self-supply circuit, and complete intelligent protections including Cycle-by-Cycle current limiting (OCP), Over Load Protection (OLP), Under Voltage Lockout (UVLO) and Over Temperature Protection (OTP). Excellent EMI performance could be achieved with Pulse Frequency Modulation.

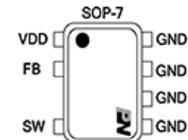
Features

- Internal 800V avalanche-rugged smart power VDMOSFET
- Internal HV Start-up and Self-supply Circuit
- Supporting Buck, Buck-Boost and Flyback topologies
- Variable Output Voltage 3.3V~18V adjusted by FB resistors
- Semi enclosed steady output current >300mA @230VAC
- Frequency modulation for low EMI
- Excellent constant voltage regulation and High efficiency
- Excellent Protection Coverage:
 - ◇ Over Load Protection (OLP)
 - ◇ Over Temperature Protection (OTP)
 - ◇ Under Voltage Lockout (UVLO)

Applications

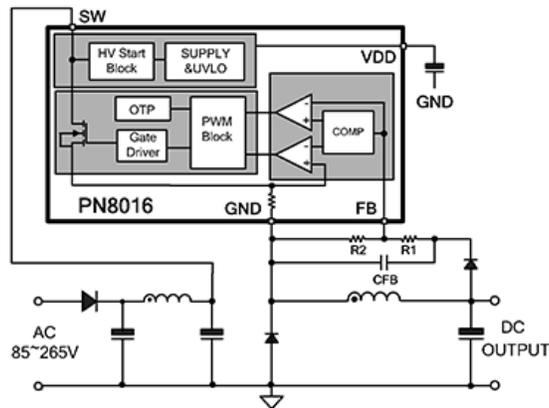
- Non-isolated standby power
- Household appliance
- Smart Home
- LED

Package/Order Information



Order Code	Package
PN8016SSC-R1	SOP-7

Typical Circuit



Note: If you need product datasheet or design reference report, please click here.>>

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