# PN8112

Chipown

## Low Standby-Power Off-line PWM converters

### General Description

The PN8112 consists of an integrated Pulse Width Modulator (PWM) controller and power MOSFET, specifically designed for a high performance off-line converter with minimal external components. PN8112 offers complete protection coverage with automatic self-recovery feature including Cycle-by-Cycle current limiting (OCP), overload protection (OLP), over temperature protection (OTP) and soft-start. Burst mode operation and device very low consumption helps to meet the standby energy saving regulations. Excellent EMI performance is achieved with frequency modulation. The device consists of the high voltage start-up circuit. The device provides an advanced platform well suited for low standby-power and cost-effective flyback converters.

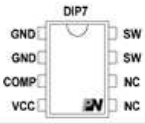
### Features

- 85v to 265v wide range AC voltage input
- Operating Frequency(60kHz)
- Frequency modulation for low EMI
- Burst-mode Operation
- Built-in Soft Start
- Internal HV Start-up Circuit
- Excellent Protection :
  - ✧ Over Current Protection (OCP)
  - ✧ Over Temperature Protection (OTP)
  - ✧ Over Load Protection (OLP)

### Applications

- Electromagnetic Oven power supplies
- Small household application power supplies (Coffee machine, Electric kettle, etc.)
- LED Driver

### Package/Order Information




| Order codes | Package | Typical power |
|---|---|---|
| | | 85~265 $V_{AC}$ |
| PN8112NSC-T1 | DIP7 | 6W |

Note: Maximum practical continuous power in an open frame design at 50 ℃ ambient, with adequate heat sinking

### Typical Application