

## Low Standby-Power Off-line PWM converters

### General Information

The PN8008A consists of an integrated Pulse Width Modulator (PWM) controller and power MOSFET, designed for small power off line SMPS. PN8008A offers complete protection coverage with automatic self-recovery feature including current limiting (OCP), over voltage (OVP), and under voltage lockout (UVLO), over temperature protection (OTP). Burst mode operation helps to reduce the power of the system in standby position. The device consists of the high voltage start-up circuit and the system can start up quickly.

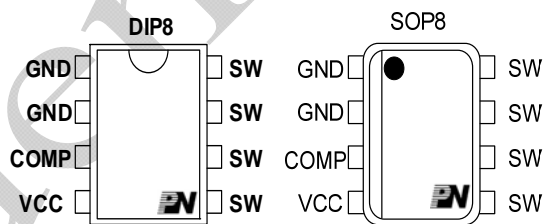
### Features

- 85v to 265v wide range AC voltage input
- A 730v MOSFET on the same silicon chip
- Auto start up with high voltage current source
- 10v to 39v wide range VCC voltage
- Fixed 55KHz switching frequency
- Automatic skip cycle mode in low load condition.
- Auxiliary under voltage lockout with hysteresis
- Protection Coverage:
  - ◇ Over Current Protection (OCP)
  - ◇ Over Temperature Protection (OTP)
  - ◇ Over Voltage Protection (OVP)

### Applications

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

### Package/Order Information



Order codes	Package
PN8008A-NEC-T1	DIP8
PN8008A-SEC-R1	SOP8

### Typical Application

