

## 8-Pin CCM PFC Controller

## Description:

OB6572/OB6573 is 8-pin Power Factor Correction (PFC) controller IC designed to operate in Continuous Conduction Mode (CCM) with average current control. It provides near-unity power factor for universal input line voltage (85VAC-265VAC) with no need to sense the input voltage. The switching frequency can be internally fixed (OB6573) or externally programmable (OB6572). Frequency shuffling is integrated for better EMI. OB6572/OB6573 includes all necessary protections to ensure safe system operation.

## Applications:

- LCD/Flat TV
- Server and Desktop Power Supplies
- AC adapters and other off-line SMPS

## Features:

- 8-Pin solution without sensing line voltage
- Average current control mode
- Internally fixed switching frequency (OB6573)
- Externally programmable switching frequency (OB6572)
- Frequency shuffling for better EMI
- Very low shutdown currents (typical 250uA)
- Maximum duty cycle of 97%
- Input brown-out protection (OB6573)
- Cycle by cycle peak current limit
- Soft over current protection
- Output over voltage protection
- Open loop protection
- Enhanced dynamic response
- Soft start
- On chip thermal shutdown
- Fast 1.5A gate drive
- Available in DIP8 and SOP8 packages

## Typical Application:

