

Green PWM Current-Mode Controller with Excellent Efficiency Improvement

Preliminary Specification Rev. P6

FEATURES

- CCM/Valley Switching Operation
- High Driving Capability +200mA/-600mA
- Adjustable OVP (Over Voltage Protection)
- Accurate OLP (Over Load Protection)
- VCC OVP (Internal OVP)
- AC Brown in/out Protection
- DEM/CS Open/Short Protection
- Internal Slope Compensation
- Current Mode Control
- Tiny SOT-26 Package
- Extremely Low Startup Current(<1uA)
- Internal Soft Start
- Internal and External OTP

APPLICATIONS

- AC/DC Adaptor
- AC/DC Power Supply

GENERAL DESCRIPTION

The PF6116 provides a CCM/valley switching mixed mode operation for better efficiency performance. The operation mode stays at CCM at heavy load, and switch to valley switching at light load.

Using Power Forest patented technology, several function are integrated: OVP, OLP, SCP and AC brown in/out functions. A compact and robust power supply can be implemented using very few external components.

With ultra low startup current and switching frequency control, PF6116 also offers good power saving performance. The operation further gets into burst mode for light load efficiency.

PF6116 is packaged by using tiny SOT-26 package.

TYPICAL APPLICATION

