

High Voltage Startup Current-Mode PWM Controller

Preliminary Specification Rev.P4

FEATURES

- Almost Lossless High Voltage Startup Circuit
- Brown In/Out Protection in HV Pin
- X Cap. Discharge Function
- Internal Slope Compensation
- VCC Over Voltage Protection
- Open Loop Protection(80mS Delay)
- 3mS Soft Start Time
- Fixed Switching Frequency (65KHz)
- Frequency Spreading For Low EMI Emission
- OUT Clamp Function
- +400mA/-700mA Driving Capability
- Safety Regulatory Approvals
 - IEC60950-1:2005+A1+A2
 - IEC60065:2001+A1+A2

GENERAL DESCRIPTION

The PF6202A is a fixed frequency current-mode PWM controller. The HV pin of PF6202A builds in a high-voltage startup current source to replace the external startup resistor in order to reduce the power loss of startup circuit. In addition, The PF6202A also includes brown in/out protection, X capacitor discharge function, adjustable over voltage protection, slope compensation, VCC over voltage protection, open loop protection and secondary rectifier short protection in a SOP-8 package.

Due to the high voltage startup technology and frequency linearly reduction mechanism, the PF6202A exhibits extremely-low no load power loss and high efficiency in light load.

APPLICATIONS

- LCD TV Power Supply
- General Switching Power Supply

TYPICAL APPLICATION

