

Features

- VCC Supply Input from 4.5V to 13.2V
- Power Converter Input Rang: 3V~20V
- Support $\pm 1\%$ Internal Voltage Accuracy, 0.6V Reference Voltage
- 0-90% Duty Cycle
- Soft-Start Circuit Built-In
- Voltage Mode Control Loop
- Chip Enable through OSC pin
- Latched Over Voltage Protection
- Internally Fixed OCP threshold
- Precise Lossless Inductor DCR Current Sense with Four Re-entry Times Before Latch
- Thermal Fault Protection
- Integrated Bootstrap Diode
- Programmable Operating Frequency from 100kHz to 1000kHz
- Synchronization Function
- Remote Ground Sensing
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)
- TQFN16-3x3 Package

Applications

- Mother Board
- Graphic cards
- Cable Modems, Set Top Boxes, and Xdsl Supplies
- Low cost PC

General Description

The GS7260 is a single buck controller working in a voltage mode with programmable operating frequency which is setting through a resistance to ground. GS7260 provides flexible frequency setting operation and gate drivers. It allows wide input voltage which is either a single voltage or two supply voltages for various applications, and the output voltage can be precisely regulated to as low as 0.6V.

The GS7260 provides a programmable dual level over current protection with differential phase current sensing, it also provides UVP, OVP, OTP UVLO for VCC and VCCP. Otherwise, it includes internal soft-start, power OK indication and built-in bootstrap diode to simplify the circuit design.

The GS7260 is available in a simple TQFN16-3x3 Package.