

2A Buck Converter

Features

- 5V to 14V Input Supply Range
- Up to 95% Efficiency
- Synchronous Switches
- No External Schottky Diodes Needed
- Internal Soft Start
- Output Voltage Adjustable to 0.8V
- 2A continuous output current
- Fixed 500kHz Switching Frequency
- PWM/PFM Operations
- Cycle-by-Cycle Current Limit
- Short Circuit Protection
- Thermal shutdown
- SOP-8 Package

Applications

- Note Book Computers
- Portable DVD players
- Optical Storages
- LCD Panels
- Telecom Equipments
- Portable Devices

General Description

The G5632 is a high efficiency, 2A buck converter with two low $R_{DS(ON)}$ switches. It operates from 5V to 14V input voltage range, and provides up to 2A continuous output current with the output voltage adjustable down to 0.8V. Whenever the load is light, the G5632 automatically change the PWM operation mode to PFM operation to minimize the power consumption. Hence it is suitable for battery-powered devices.

The G5632 is available in a SOP-8 package.

Ordering Information

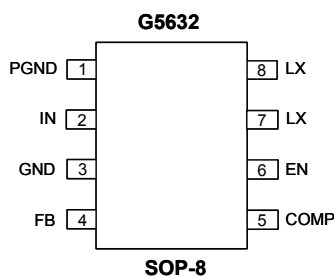
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Pb free)
G5632P11U	G5632	-40°C to +85°C	SOP-8

Note: P1:SOP-8

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

