

Micro-power Step-Up DC/DC Converters in SOT-23-5

Features

- Configurable Output Voltage Up to 28V
- 20 μ A Quiescent Current
- <1 μ A Shutdown Current
- <1 μ A Shutdown Pin Current
- Supply Range from 2.5V to 6.5V
- Low $V_{DS(on)}$: 250mV ($I_{SW}=300mA$)
- Tiny SOT-23-5 Package

Applications

- STN/TFT LCD Bias
- Personal Digital Assistants (PDAs)
- Handheld Computers
- Digital Still Cameras
- Cellular Phones
- WebPad
- White LED Driver
- Local 3V to 5V Conversion

General Description

The G5111 boost converter is designed for small/ medium size LCD panel of high bias voltage.

Due to a typical 20 μ A quiescent current and 2.5V~6.5V supply voltage range, it is suitable for battery powered portable applications. Such as PDAs and Handheld Computers. When the IC sets to shutdown mode, it only consumes less than 1 μ A.

Furthermore, the 350mA current limit, 500ns fixed minimum off-time and tiny SOT-23-5 package facilitates the use of smaller inductor and other surface-mount components to minimize the PCB size in those space-conscious applications.

To control the IC, no other external current is needed for the shutdown pin. It typically consumes less than 1 μ A of full supply range.

Ordering Information

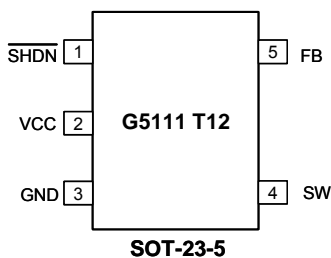
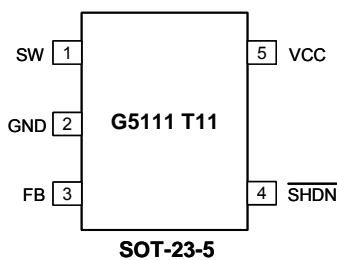
ORDER NUMBER (Pb free/Green)	MARKING	TEMP. RANGE	PACKAGE
G5111T11Uf	51xx	-40°C ~ +85°C	SOT-23-5
G5111T12Uf	52xx	-40°C ~ +85°C	SOT-23-5

Note: T1: SOT-23-5

1 or 2: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

