Micro-power Step-Up DC/DC Converters in SOT23-5

Features

- **Configurable Output Voltage Up to 35V**
- **20μA Quiescent Current**
- **<1μA Shutdown Current**
- **<1μA Shutdown Pin Current**
- **Supply Rage from 2.5V to 7V**
- **Low V_{DSSAT}: 200mV (I_{SW}=200mA)**
- **Tiny SOT23-5 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 G5113 boost converter is designed for small/ medium size LCD panel of high bias voltage.

Due to a typical 20μA quiescent current and 2.5V~7V 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 1μA.

Furthermore, the 250mA current limit, 400ns fixed minimum off-time and tiny SOT23-5 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 1μA of full supply range.

Ordering Information

PART	TEMP. RANGE	PIN-PACKAGE
G5113	-40°C ~ +85°C	SOT23-5

Pin Configuration