

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

### Features

- Configurable Output Voltage Up to 35V
- 20 $\mu$ A Quiescent Current
- <1 $\mu$ A Shutdown Current
- <1 $\mu$ A Shutdown Pin Current
- Supply Range 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 20 $\mu$ A 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 1 $\mu$ A.

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 1 $\mu$ A of full supply range.

### Ordering Information

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

### Pin Configuration

