

High Output Accuracy Boost Regulator

FEATURES

- 2.5V to 5.5V Input Voltage Range
- Fixed 1MHz Switching Frequency
- Current-Mode Boost Regulator
- Integrated 22V/1.4A 500mΩ FET
- Internal Soft Start
- High Efficiency
- Minimal External Components
- Feedback Voltage 1.23V
- Over Voltage Protection
- RoHS Compliant
- Low Profile TSOT23-5 Packages

APPLICATIONS

- TFT LCD Panel Backlights
- Tablet PCs
- Digital Cameras
- GPS Receivers
- PDAs, Handheld Computers
- Cellular Phones

DESCRIPTION

The ANX6705 is a high performance step-up converter that operates at a fixed switching frequency 1MHz. The high switching frequency allows the use of small inductors and fast transient response. The integrated N-channel FET has a typical current limit of 1.4A and can support output voltages up to 22V. The feedback voltage is 1.23V.

To minimize the inrush current a built-in soft start circuit is contained. To minimize the external component count ANX6705 also provides the internal compensation. The loop response is optimized for fast transient panel loading. The ANX6705 is available in a thin TSOT23-5 green package.

Ordering Information

Part Number	Package
ANX6705ABK	TSOT23-5

TSOT23-5 Pin Configuration (Top View)

