

## 1MHz Step-Up PWM Converter with 2.5A Switch Current

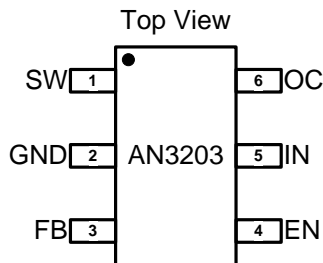
### General Description

The AN3203 is a current-mode boost DC/DC converter with a 2.5A, 0.18Ω internal power MOSFET to provide this regulator highly power efficient. The AN3203 operates at 1MHz allowing for easy filtering and low noise. Internal compensation makes the user to set system easily, which allows the use of small, low-ESR ceramic output capacitors.

Fault protection includes over-current latch off, input UVLO and thermal shutdown. This device uses current mode control scheme that provides fast transient response. In shutdown mode, the supply current is less than 1uA.

The AN3203 is available in an SOT23-6L package, provides a very compact system solution.

### Pin Configuration



### Features

- Adjustable Output Voltage up to 18V
- Internal 0.18Ω, 2.5A, 18V Power MOSFET
- Internal Soft-Start
- Fixed 1MHz Switching Frequency
- Current Mode Operation
- Cycle-by-Cycle current limit
- Adjustable Over Current Protection
- Input Under Voltage Lockout
- Over-Temperature Protection
- RoHS Compliant

### Application

- LCD Displays
- Chargers
- Portable Products
- Digital Cameras
- Handheld Computers and PADs

### Ordering Information

Part Number	Package	Shipment
AN3203-AAC	SOT23-6	Tape & Reel / 3000

\*A: Output Voltage Adjustable

\*AC: Package Type SOT23-6L