

24V, 2A, 340KHz Synchronous Step-Down DC/DC Converter**General Description:**

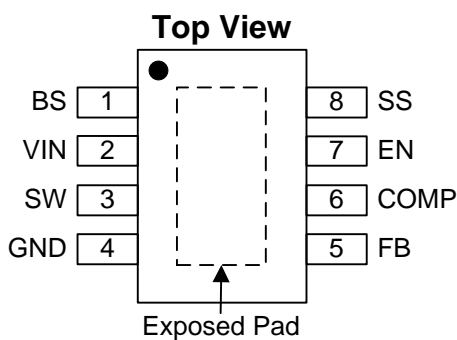
The AN6482 is a synchronous step-down DC/DC converter that provides wide 4.5V to 24V input voltage range and 2A continuous load current capability.

Fault protection includes cycle-by-cycle current limit, input UVLO, output over voltage protection and thermal shutdown. Besides, adjustable soft-start function prevents inrush current at turn-on. This device uses current mode control scheme that provides fast transient response. In shutdown mode, the supply current is about 10uA.

The AN6482 is available in an 8-pin SOIC package, provides a very compact system solution and good thermal conductance.

Features:

- Wide Input Voltage from 4.5V to 24V
- 2A Output Current
- Adjustable Output Voltage from 0.92V to 20V
- 150mΩ integrated Power MOSFET
- High Efficiency Up to 93%
- Fixed 340KHz Switching Frequency
- Current Mode Operation
- Adjustable Soft-Start
- Cycle-by-Cycle current limit
- Input Under Voltage Lockout
- Over-Temperature Protection
- Thermal Enhanced SOP-8 Package
- RoHS Compliant

Pin Configuration:**Application:**

- Set-Top-Box
- DVD, LCD Displays
- OLPC, Netbook
- Distributed Power System
- Datacom, XDSL

Ordering Information:

Part Number	Package	Shipment
AN6482-ASB	SOP8-EP	Tape&Reel / 2500

- A : Output Voltage Adjustable
- SB : Package Type ESOP-8L