

### DESCRIPTION

The AS5421 is a monolithic step-down switch mode converter with a built in internal power MOSFET. It achieves 2A continuous output current over a wide input supply range with excellent load and line regulation.

The AS5421 requires a minimum number of readily available standard external components.

Current mode operation provides fast transient response and eases loop stabilization.

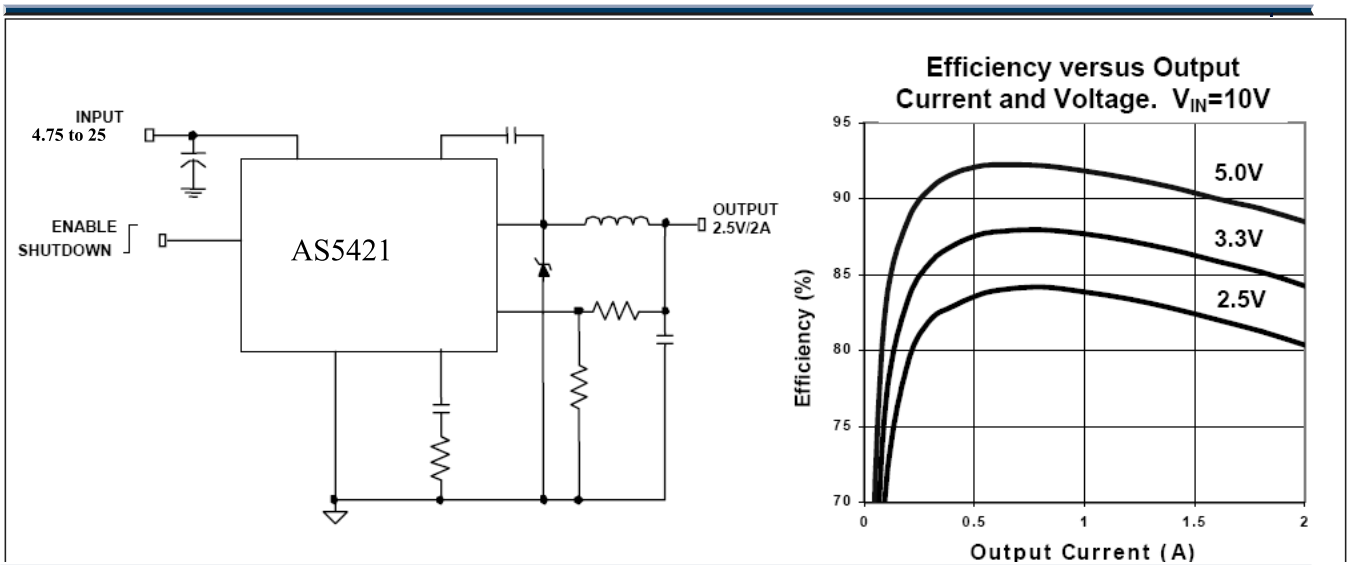
Fault condition protection includes cycle-by-cycle current limiting and thermal shutdown. In shutdown mode the regulator draws 25µA of supply current.

### FEATURES

- 2A Output Current
- 0.22Ω Internal Power MOSFET Switch
- Stable with Low ESR Output Ceramic Capacitors
- Up to 95% Efficiency
- 25µA Shutdown Mode
- Fixed 450KHz Frequency
- Thermal Shutdown
- Cycle-by-Cycle Over Current Protection
- Wide 4.75 to 25V Operating Input Range
- Output Adjustable from 1.22V to 21V

### APPLICATIONS

- TFT LCD Monitors
- Portable DVDs
- PCar-powered Equipments
- Set-Top-Boxes
- Telecom Power Supplies
- DSL and Cable Modems and Routers
- Termination Supplies



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