

■ GENERAL DESCRIPTION

The AS5422 is a monolithic synchronous buck regulator. The device integrates 100mΩ MOSFETS that provide 2A continuous load current over a wide operating input voltage of 4.75V to 23V. Current mode control provides fast transient response and cycle-by-cycle current limit.

An adjustable soft-start prevents inrush current at turn-on. In shutdown mode, the supply current drops below 1uA. The device provides a very compact system solution with minimal reliance on external

■ FEATURES

- ◆ 2A Output Current
- ◆ Integrated 100mΩ Power Mosfets
- ◆ Wide 4.75~23V Input Voltage Range
- ◆ Programmable Soft-start
- ◆ Up to 95% Efficiency
- ◆ Stable with Low ESR Ceramic Output Capacitors
- ◆ Output Adjustable From 0.925~20V
- ◆ Input Under Voltage Lockout
- ◆ Fixed 400KHz Frequency
- ◆ RoHS & Halogen Free

■ APPLICATIONS

- ◆ Distribute Power Supply
- ◆ Networking Systems
- ◆ Notebook Or Mini-book
- ◆ LCD TV/LCD Monitor

■ ORDER INFORMATION

Part Number	Package	Packing	Remark
AS5422D/TR-LF	SOP8	Tape & Reel, MPQ=2500	RoHS
AS5422D/TR-HF	SOP8	Tape & Reel, MPQ=2500	Halogen-Free

■ BLOCK DIAGRAM

