

2.2A 27V Synchronous Buck Converter

Description

The HC8819 is a monolithic synchronous buck regulator. The device integrates 95 mΩ MOSFETS that provide 2.2A continuous load current over a wide operating input voltage of 4.5V to 27V. Current mode control provides fast transient response and cycle-by-cycle current limit. An adjustable soft-start prevents inrush current at turn on.

Features

- 2.2A Output Current
- Wide 4.5V to 27V Operating Input Range
- Integrated Power MOSFET switches
- Output Adjustable from 0.925V to 0.8Vin Up to 96% Efficiency
- Programmable Soft-Start
- Stable with Low ESR Ceramic Output Capacitors
- Fixed 340KHZ Frequency
- Cycle-by-Cycle Over Current Protection
- Short Circuit Protection
- Input Under Voltage Lockout
- Package : ESOP - 8L

Applications

- Distributed Power Systems
- Networking Systems
- FPGA, DSP, ASIC Power Supplies
- Green Electronics/ Appliances
- Notebook Computers

Typical Application Circuit

