

DESCRIPTION

The MP8619 is a high frequency synchronous rectified step-down switch mode converter with built in internal power MOSFETs. It offers a very compact solution to achieve 8A continuous output current over a wide input supply range with excellent load and line regulation.

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

Full protection features include OCP and thermal shut down.

The MP8619 requires a minimum number of readily available standard external components and is available in a space saving 5mm x 6mm 30-pin QFN package.

FEATURES

- Wide 4.5V to 25V Operating Input Range
- 8A Output Current
- Proprietary Switching Loss Reduction Technique
- Fixed 600kHz Switching Frequency
- Sync from 300kHz to 2MHz External Clock
- Internal Compensation
- OCP Protection and Thermal Shutdown
- Output Adjustable from 0.8V to 15V
- Available in 30-pin 5x6mm QFN30 Package

APPLICATIONS

- Networking Systems
- Digital Set Top Boxes
- Distributed Power Systems

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TYPICAL APPLICATION

