Description

The CX8810 is a high voltage, synchronous step-down controller operates over a wide range input voltage 9V to 100V. The CX8810 delivers 4A continuous load current with up to 96% efficiency.

The CX8810 operates with fixed frequency peak current control with built-in compensation eliminates the need for external components. Cycle-by-cycle current limit in high-side MOSFET protects the converter in an overload condition. Hiccup mode protection is triggered if the over-current condition has persisted for longer than the present time.

The CX8810 exhibits protection features that protect the load from faults like under-voltage, Over-current and over-temperature.

The CX8810 is available in an QFN-20

Features

- 9V to 100V input voltage range
- 4A continuous output current
- 96% Peak Efficiency
- 500μA operating quiescent current
- Peak Current mode control
- 100V 10-mΩ high-side and low-side MOSFET
- 150 kHz Fixed Frequency
- Internal compensation for ease of use
- Up to 91% duty cycle
- 0.8V voltage reference
- 9μA shutdown current
- 150ms Hiccup mode short circuit protection
- Thermal shutdown Function
- QFN-20 package

Applications

- Charger in vehicle
- Battery Chargers
- Power adapter

Device Information

PART NUMBER	PACKAGE	BODY SISE(NOM)
CX8810	QFN-20	5mm*5mm