Description

The CX8801 is a high voltage, synchronous step-down controller operates over a wide range input voltage 9V to 100V.

The CX8801 delivers 10A continuous load current with up to 96% efficiency.

The CX8801 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 CX8801 exhibits protection features that protect the load from faults like under-voltage,over-current and over-temperature.

Features

- 9V to 100V input voltage range
- 10A continuous output current
- 96% Peak Efficiency
- 600μA operating quiescent current
- Peak Current mode control
- 150 kHz Fixed Frequency
- Internal compensation for ease of use
- Up to 91% duty cycle
- 0.8V voltage reference
- 10UA shutdown current
- 150ms Hiccup mode short circuit protection Function
- Thermal shutdown Function
- MSOP10 package

Applications

- Charger in vehicle
- Battery Chargers
- Power adapter

Ordering Information

PART NUMBER	Temperature range	PACKAGE	Number of pins	Wrapping method	Top label
CX8801	-40℃~140℃	MSOP10	10	Tape	CX8801 XXXXXYYWW

Note:The screen printing batch of the top label (XXXXXYYWW) will change according to the time of production.