3MHz 2A High η Step-Down Converter in DFN2x2-8L Package

DESCRIPTION

The ETA3410 is a high-efficiency, DC-to-DC step-down switching regulator, capable of delivering up to 2A of output current. The devices operate from an input voltage range of 2.6V to 5.5V and provide output voltages from 0.6V to VIN, making the ETA3410 ideal for low voltage power conversions. Running at a fixed frequency of 3MHz allows the use of small inductance value and low DCR inductors, thereby achieving higher efficiencies. Other external components, such as ceramic input and output caps, can also be small due to higher switching frequency, while maintaining exceptional low noise output voltages. Built-in EMI reduction circuitry makes this converter ideal power supply for RF applications. Internal soft-start control circuitry reduces inrush current. Short-circuit and thermal-overload protection improves design reliability.
ETA3410 is housed in a tiny DFN2x2-8L package

FEATURES

- η up to 96%
- Up to 2A Max Output Current
- 3MHz Frequency
- Internal Compensation
- Clock Dithering
- Tiny DFN2x2-8L Package

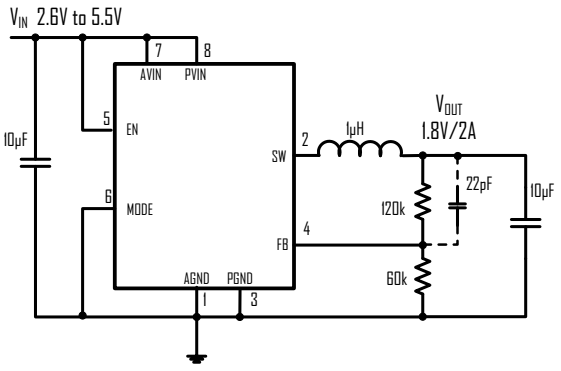
APPLICATIONS

- USB ports/Hubs
- Hot Swaps
- Cellphones
- Tablet PC
- Set Top Boxes

ORDERING INFORMATION

PART	PACKAGE PIN	TOP MARK
ETA3410D2I	DFN2x2-8	CEYW Date Code Product Number

TYPICAL APPLICATION



1.8V/2A 3MHz Step-Down Converter

