

## 3MHz 1.5A/2A High $\eta$ Step-Down Converter in SOT23-5 Package

### DESCRIPTION

The ETA3409 is a high-efficiency, DC-to-DC step-down switching regulator, capable of delivering up to 1.5A/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  $V_{IN}$ , making the ETA3409 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. ETA3409 is housed in a tiny SOT23-5L package

### FEATURES

- ◆  $\eta$  up to 96%
- ◆ Up to 2A Max output current for ETA3409
- ◆ 3MHz Frequency
- ◆ Internal Compensation
- ◆ Clock Dithering
- ◆ Tiny SOT23-5 Package

### APPLICATIONS

- ◆ USB ports/Hubs
- ◆ Portable Devices
- ◆ Cellphones
- ◆ Tablet PC
- ◆ Set Top Boxes

### ORDERING INFORMATION

PART	PACKAGE PIN	TOP MARK
ETA3409S2F-T	SOT23-5	CYYW └── Date Code └── Product Number

### TYPICAL APPLICATION

