3A 3MHz Synchronous Step-Down DC-DC in DFN3X3-10

FEATURES

- **High Efficiency: Up to 95%**
- **Capable of Delivering 3A**
- **Up to 3MHz Switching Frequency**
- **No External Schottky Diode Needed**
- **Low dropout 100% Duty operation**
- **Low Noise PWM control**
- **Programmable Frequency and Compensation Network**
- Internal Soft-Start
- Logic Control Shutdown (IQ<1uA)
- Thermal shutdown and UVLO
- Available in DFN-10

APPLICATIONS

- Portable Devices
- Cellular Base Stations
- Networking and Telecommunications
- 3G wireless Cards
- USB supplied Devices in Notebooks
- Distributed Power Systems

DESCRIPTION

The ETA3428A is a high-efficiency, DC-to-DC step-down switching regulators, capable of delivering up to 3A of output current. The device operates from an input voltage range of 2.6V to 5.5V and provides an output voltage from 0.8V to VIN, making the ETA3428A ideal for low voltage power conversions. External programmable frequency and compensation network of the ETA3428A enable system designers to make trade off according to different requirements such as board space, output transient response and efficiency. Internal soft-start control circuitry reduces inrush current. Short-circuit and thermal-overload protection improves design reliability. ETA3428A is housed in a DFN-10 Package

ORDERING INFORMATION

PART	PACKAGE PIN	TOP MARK
ETA3428AD3K-T ETA3428AD3K-U	DFN3x3-10	ETA8521- Product Number YWWPL — Date Code

TYPICAL APPLICATION



