

1.4MHz, 1.2A, 24V High Efficiency Step-Down Converter in SOT23-6

DESCRIPTION

The ETA2359 is a wide input range, high-efficiency, high frequency DC-to-DC step-down switching regulator, capable of delivering up to 1.2A of output current. With a fixed switching frequency of 1.4MHz, this current mode PWM controlled converter allows the use of small external components, such as ceramic input and output caps, as well as small inductors, while still providing low output ripples. Together with the tiny package ETA2359 is in, without external compensation components, it is an ideal solution for system designer with stringent board space requirements. ETA2359 also employs a proprietary control scheme that switches the device into a power save mode during light load, thereby extending the range of high efficiency operation. ETA2359 is available SOT23-6 Packages.

APPLICATIONS

- Set top boxes
- Security Surveillance systems
- LED drivers

FEATURES

- **Wide Input Operating Range from 4.5V to 24V**
- **High Efficiency:**
 - Up to 94%
- **Capable of Delivering 1.2A**
- **1.4MHz Switching frequency**
- **No External Compensation Needed**
- Current Mode control
- Logic Control Shutdown
- Thermal shutdown and UVLO
- Available in SOT23-6 Package

ORDERING INFORMATION

PART	PACKAGE PIN	TOP MARK
ETA2359S2G-T	SOT23-6	CAYW └─── Date Code └─── Product Number

TYPICAL APPLICATION

