

# 3A, 18V High Efficiency Synchronous Step-Down Converter

## DESCRIPTION

The ETA1485 is a wide input range, high-efficiency, DC-to-DC step-down switching regulator, capable of delivering up to 3A of output current. Current mode PWM control 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. On top of the integrated internal synchronous rectifier that eliminates external Schottky diode, ETA1485 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. Therefore, ETA1485 is a much superior solution in comparison to other competitions in terms of efficiency and cost. Overall, ETA1485 is a highly efficient and robust solution for DC-DC step-down applications that requires wide input ranges. ETA1485 is available ESOP8 Packages.

## APPLICATIONS

- LCD TVs
- Notebook computers
- FPGA power supplies
- LED drivers

## FEATURES

- **Wide Input Operating Range from 4.5V to 18V**
- **High Efficiency:**
  - **Up to 90%at Light Load**
- **Capable of Delivering 3A**
- **No External Schottky Diode Needed**
- Current Mode control
- 0.923V Reference for Low Output voltages
- Logic Control Shutdown
- Thermal shutdown and UVLO
- Available in ESOP8 Package

## ORDERING INFORMATION

PART	PACKAGE PIN	TOP MARK
ETA1485E8A-T	ESOP8	ETA1485 YLLFF Date Code Product Number

## TYPICAL APPLICATION

