

0.8A Step-Up Current Mode PWM Converter ME2159A

Description

The ME2159A is a current mode boost DC-DC converter. Its PWM circuitry with built-in 0.18Ω power MOSFET make this regulator highly power efficient. The internal compensation network also minimizes as much as 6 external component counts. The non-inverting input of error amplifier connects to a 0.6V precision reference voltage and internal soft-start function can reduce the inrush current.

Features

- Precision Feedback Reference Voltage: 0.6V • Reference Voltage accuracy: $\pm 2\%$
- Adjustable Output up to 12V
- Internal Fixed PWM frequency: 650KHz
- Internal 0.18Ω, 2A, 16V Power MOSFET
- Shutdown Current: 0.1μA
- Over Temperature Protection: 165°C

Applications

- Chargers
- LCD Displays
- Digital Cameras
- Handheld Devices
- Portable Products

Package

- 6-pin SOT23-6