



300mA Low-Noise Low-Dropout Linear Regulator

DESCRIPTION

The EUP7967A low-noise, low-dropout, linear regulator operates from a 2.5V to 5.5V input and is guaranteed to deliver 300mA.

The EUP7967A is stable with small 2.2μ F ceramic capacitor. Its performance suits battery powered applications because of its shutdown mode, low quiescent current, and very low dropout voltage. The low dropout voltage allows for more utilization of a battery's available energy by operating closer to its end-of-life voltage.

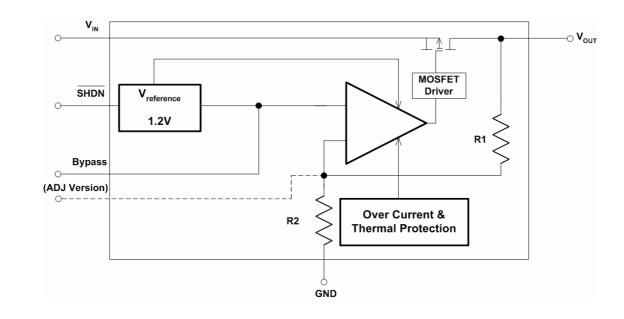
The EUP7967A is available in 1.2V,1.5V,1.8V,2.5V, 2.8V, 3V ,3.3V and Adjustable versions.

FEATURE

- 300mA Guaranteed Output Current
- 65dB PSRR at 1kHz
- Low Noise Output
- 150mV Dropout at 300mA Load
- Low 84µA No-Load Supply Current
- $\leq 1 \mu A$ Shutdown Current
- Stable With 2.2µF Ceramic Output Capacitors
- Thermal Shutdown and Short-Circuit Protection
- SOT23-5 Package
- RoHS Compliant and 100% Lead (Pb)-Free

APPLICATIONS

- Wireless Handsets
- DSP Core Power
- Battery Powered Electronics
- Portable Information Appliance



Block Diagram

