

# 300mA Low Dropout Linear Regulator

## DESCRIPTION

The EUP7968 is a 300mA fixed output voltage low dropout linear regulator operating from 2.5V to 5.5V input. Typical ground current is approximately 90 $\mu$ A. Built-in output current-limiting and thermal-limiting provide maximal protection against any fault conditions.

The EUP7968 is available in 1.2V, 1.5V, 1.8V, 2.5V, 2.8V, 3V, 3.3V and 3.5V versions.

## FEATURE

- Very Low Dropout Voltage of 170mV at Output Current 300mA
- Guaranteed 300mA Output Current
- Low Ground Current at 90 $\mu$ A
- Stable with low ESR Ceramic Capacitors
- Fast Transient Response
- Current-limiting and Thermal Protection
- SOT23-3 and SOT89 Package
- RoHS Compliant and 100% Lead (Pb)-Free

## APPLICATIONS

- Voltage Regulator for LAN Card, CD-ROM, and DVD
- Wireless Communication Systems
- Battery Powered Systems

## Block Diagram

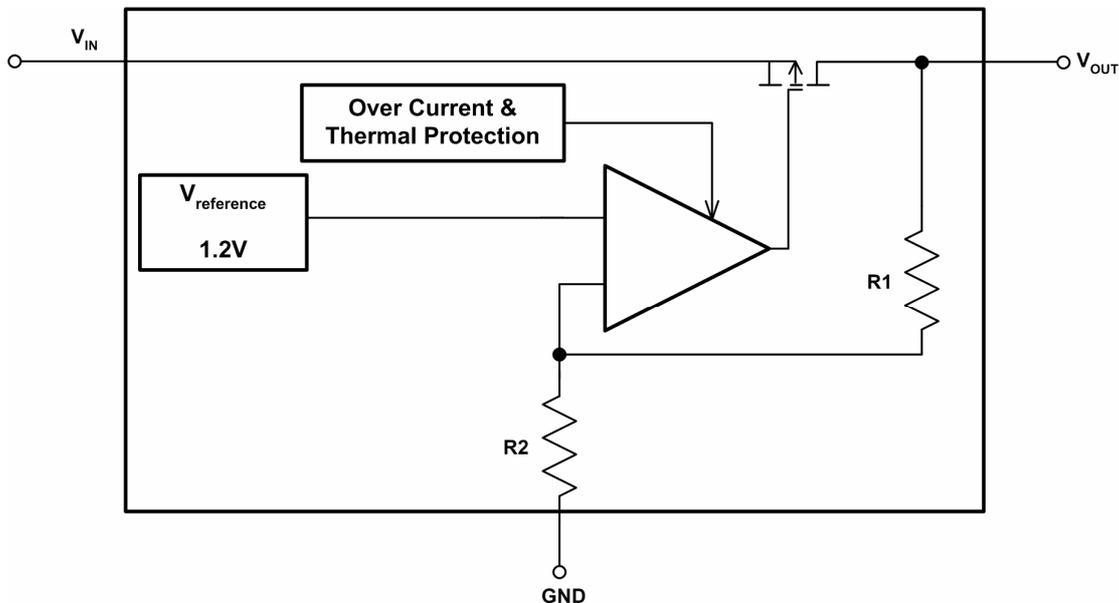


Figure 1.