General Description

The AS2910H is a high voltage, low quiescent current, low dropout regulator with 100mA output driving capacity. The AS2910H, which operates over an input range of 3V to 36V, is stable with any capacitors, whose capacitance is larger than 1µF, and suitable for powering battery-management ICs because of the virtue of its low quiescent current consumption and low dropout voltage. AS2910H also includes bandgap voltage reference, constant current limiting and thermal overload protection.

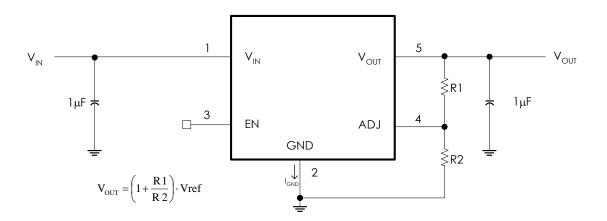
Features

- 100mA guaranteed output current
- ♦ 500mV typical dropout at Io=100mA
- ♦ 3.0V to 36V input range
- ♦ 10µA typical quiescent current
- ♦ 1µA typical shutdown mode
- Stable with small ceramic output capacitors (1μF)
- ◆ Over temperature and over current protection

Applications

- ◆ 3-4 Cell Li-ion Batteries Powered systems
- ◆ Logic Supply for High Voltage Batteries
- ◆ Keep-Alive Supply

Typical Application



AS2910HVer1.0 1 http://www.a1semi.com