

## 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  $I_o=100\text{mA}$
- ◆ 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

