



## DESCRIPTION

The AA1850 is a high side current sense monitor. It takes a high side voltage developed across a current shunt resistor and translates it into a proportional output current. A customer defined output resistor converts the output current into a reference voltage.

It operates over a wide input voltage range, from 2.5V to 20V and makes it suitable for many applications. A minimum operating current of 4uA, combined with its SOT23 package make it a right solution for portable equipment.

## FEATURES

- Low cost and accurate high-side current monitor
- Up to 2.5V sense voltage
- 2.5V – 20V supply range
- 4uA quiescent current
- 1% typical accuracy

## APPLICATIONS

- Battery chargers
- DC motor control
- Over current monitor
- Power management
- Programmable current source

## BLOCK DIAGRAM

