

Agamem Microelectronics Inc.

AA1850

PRELIMINARY

HIGH-SIDE CURRENT MONITOR

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.

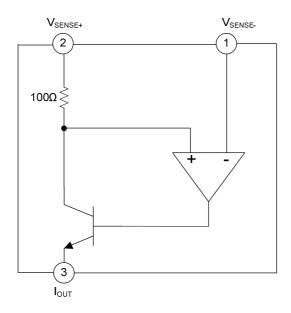
FEATURES

- · 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



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