

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.

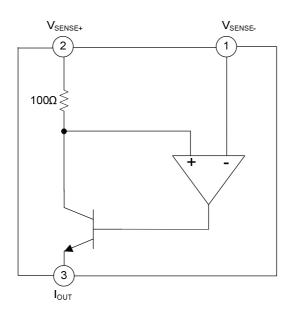
FEATURES

- · 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



©Copyright Agamem Microelectronics Inc.

www.agamem.com.tw

2008/04/02 Ver 1.0

1

AGAMEM MICROELECTRONICS INCORPORATION RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. AGAMEM DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCTS OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.