

MM4128A/MM4129A Series

2023/08/01

Outline

The MM4128A / MM4129A series is a double protection IC for 2 cell Li batteries. It detects battery voltage for each cell. The configuration of delay time can be achieved. Output at the time of detection can be held for a fixed period of time; therefore, this can maintain a regular disconnection time of a fuse. In addition, high cell voltage can be dropped and then stopped at the level where battery deterioration does not occur by Electrical discharge function of the IC after disconnecting the fuse.

Product Series

For 2-cells secondary protection

Features

- (1) Range and accuracy of detection and release voltage
 - Overcharge detection voltage 3.6V~5.0V, 5mV Step Accuracy±15mV
 - Overcharge hysteresis voltage 15mV Accuracy±5mV
 - Standby detection voltage Selection from 2.5V or 3.5V Accuracy±300mV
- (2) Range of detection delay time
 - Overcharge detection delay time Selection from 300us or 2.4ms or 19.2ms or 153.6ms
 - Overcharge release delay time Selection from 600us or 1.2ms
- (3) Range of internal regulator voltage
 - COUT terminal output voltage H 1.8V or 3.3V or 4.7V
- (4) Current consumption
 - Current consumption(Vcell=4.0V) Typ. 0.85uA Max. 1.70uA
 - Current consumption at standby(Vcell=2.0V) Typ. 0.15uA Max. 0.30uA

Package

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Package

SSON-6U

SSON-6V