

MM1839

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Overview

This IC is a 200mA LDO with a reverse bias protection function.

The IC applies to a standard home equipments, for a maximum operating voltage is 14V.

In addition, a protection diode is not necessary because a reverse bias protection function is built in it.

Application

- Audio visual equipment
- Office equipment / Printer
- Home appliance equipment
- In-vehicle infotainment device
- Power supply for I/O interface

Features

16V Maximum ratings input voltage

Reverse protection

Main specifications

Output current [mA]	200
Absolute maximum rating [V]	16.0
Recommended operating voltage Min. [V]	1.80

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Recommended operating voltage Max. [V]	14.0
Output voltage Min. [V]	1.50
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±2.0
No-Load Input Current [μA]	85.0
Dropout Voltage [V]	0.30
PSRR [dB]	70
Output capacitor [μF]	1.00
Circuit structure	1ch LDO
Operating ambient temperature Min. [deg.C]	-40
Operating ambient temperature Max. [deg.C]	85
OFF input current Typ. [μA]	0.00
Protection function	OCP, TSD, Reverse bias protection
Additional function	ON/OFF control

Package

SOT-25A

Case Studies



No amplifier or software design required. Development of an LDO for automobiles with open load/short circuit detection function. [Power Supply IC]