

MM3376

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Overview

This IC is a regulator IC providing low supply current , and low input voltage , developed using the CMOS process, and supports longer battery life with a chip enable function. In addition, it is ideal to be used for a constant voltage power supply for backup as it includes a reverse current protection function to automatically prevent a current from reversely fl owing to the input terminal side if a voltage exceeding the input terminal voltage is applied to the output terminal by monitoring the voltages of the output terminal and input terminal.

Application

- Audio visual equipment
- Portable communication device
- Photographing / Imaging device
- Wearable device
- Health care device
- Power supply for battery backup

Features

Reverse current prevention

Main specifications

Output current [mA]	150
Absolute maximum rating [V]	6.5
Recommended	

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Recommended operating voltage Min. [V]	1.10
Recommended operating voltage Max. [V]	6.0
Output voltage Min. [V]	0.80
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±2.0
No-Load Input Current [μA]	1.7
Dropout Voltage [V]	0.05
Output capacitor [μF]	0.10
Circuit structure	1ch LDO
Operating ambient temperature Min. [deg.C]	-40
Operating ambient temperature Max. [deg.C]	85
OFF input current Typ. [μA]	0.60
Protection function	OCP, Reverse current protection
Additional function	ON/OFF control

Package

SC-82ABB

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]