

MM3534

2023/07/20

Overview

This IC is a low current consumption 150mA LDO.
The IC can be better low current consumption and load transient by bias boost circuit. Therefore the IC is ideal for mobile applications.

Application

- Audio visual equipment
- Photographing / Imaging device
- Health care device
- Home appliance equipment

Features

Low current consumption

Main specifications

Output current [mA]	150
Absolute maximum rating [V]	7.0
Recommended operating voltage Min. [V]	1.70
Recommended operating voltage	

MM3534

2023/07/20

Operating voltage Max. [V]	6.0
Output voltage Min. [V]	1.20
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±0.8
No-Load Input Current [μA]	0.9
Dropout Voltage [V]	0.28
PSRR [dB]	50
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]	0.10
Output noise voltage Typ. [μVrms]	60
Protection function	OCP
Additional function	ON/OFF control, Auto discharge

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]