

MM3566

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Overview

This IC is a low quiescent current 200mA LDO.

The IC can be stable behavior without Input/Output capacitor.

Therefore the number of external capacitor is reduced.

The IC can be better low quiescent current 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

Cap less, Low current consumption

Main specifications

Output current [mA]	200
Absolute maximum rating [V]	7.0
Recommended operating voltage Min. [V]	1.70

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Recommended operating voltage Max. [V]	6.0
Output voltage Min. [V]	1.20
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±1.0
No-Load Input Current [μA]	0.9
Dropout Voltage [V]	0.35
PSRR [dB]	50
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
Protection function	OCP
Additional function	ON/OFF control, Auto discharge

Package

SC-82ABB

SOT-25A

Case Studies

Development of an LDO for automobiles with open load/short circuit detection function. It offers high precision and reliability in a simple configuration which does not require a current measurement amplifier and easily controlled with software. 【Power Supply IC】