# MM3571

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## Overview

This IC is a 300mA Low dropout regulator IC with a prevention circuit of rush current.
No load input current is 25μA typ, and it reduce transient drop in voltage with high speed response circuit.
A rush current prevention circuit can control rush current at start up.

## Application

・Audio visual equipment
・Photographing / Imaging device
・Office equipment / Printer
・Home appliance equipment

## Features

Fast transient response, Rush current protection

## Main specifications

| | |
|---|---|
| Output current [mA] | 300 |
| Absolute maximum rating [V] | 7.0 |
| Recommended operating voltage Min. [V] | 2.00 |
| Recommended operating voltage Max. | 6.5 |

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| | |
|---|---|
| [V] | |
| Output voltage Min. [V] | 1.00 |
| Output voltage Max. [V] | 5.00 |
| Output voltage accuracy [%] | ±1.0 |
| No-Load Input Current [μA] | 25.0 |
| Dropout Voltage [V] | 0.62 |
| PSRR [dB] | 70 |
| Output capacitor [μF] | 0.47 |
| Circuit structure | 1ch LDO |
| Operating ambient temperature Min. [deg.C] | -40 |
| Operating ambient temperature Max. [deg.C] | 85 |
| OFF input current Typ. [μA] | 0.01 |
| Protection function | OCP, Rush current protection |
| Additional function | ON/OFF control, Auto discharge |

## Package

SC-82ABB

SOT-25A

SOT89-5A

# Case Studies

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