

MM3411

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Overview

This IC is a 200mA Low dropout regulator IC with Rush current protection circuit. No load input current is 25 μ A typ. and it reduce drop voltage for high speed response. Rush current protection circuit can control rush current.

Application

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

Features

Fast transient response, Rush current prevention

Main specifications

Output current [mA]	200
Absolute maximum rating [V]	7.0
Recommended operating voltage Min. [V]	1.80
Recommended operating voltage Max.	6.5

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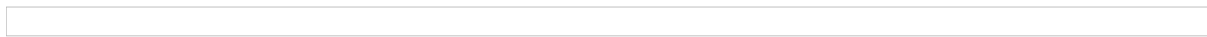
[V]	
Output voltage Min. [V]	0.80
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±1.0
No-Load Input Current [μA]	25.0
Dropout Voltage [V]	0.40
PSRR [dB]	70
Output capacitor [μF]	0.47
Circuit structure	1ch LDO
Operating ambient temperature Min. [deg.C]	-40
Operating ambient temperature Max. [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

Case Studies



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