

MM3526

2023/07/20

Overview

This IC is a 500mA LDO with soft-start.

The soft-start can reduce rush current by the Cs capacitor at start-up.

Package is SOT89-5A which can be the high radiation of heat on small space.

Application

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

Features

Soft start

Main specifications

Output current [mA]	500
Absolute maximum rating [V]	6.5
Recommended operating voltage Min. [V]	1.60
Recommended operating voltage Max.	6.0

MM3526

2023/07/20

[V]	
Output voltage Min. [V]	1.20
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±1.0
No-Load Input Current [μA]	50.0
Dropout Voltage [V]	0.25
PSRR [dB]	70
Output capacitor [μF]	1.00
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, TSD
Additional function	ON/OFF control, Auto discharge, Soft start

Package

SOT89-5A

SOT-25A

SSON-6A

Case Studies



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