

## MM3823

2023/07/20

## Overview

This IC is a 500mA LDO with soft start. The soft start function can optionally set output rise time by an external capacitor Cs.

## 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]	7.0
Recommended operating voltage Min. [V]	1.60
Recommended operating voltage Max. [V]	6.5

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Output voltage Min. [V]	1.00
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±1.0
No-Load Input Current [μA]	60.0
Dropout Voltage [V]	0.25
PSRR [dB]	65
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

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SOT-25A

## Case Studies

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### CASE STUDIES



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