

MM3703

2023/07/20

Overview

This IC is a 1A LDO with soft start. The soft start function can optionally set output rise time by an external capacitor Cs.

The package can be selected from SOT89-5 (Standard), HSOP-8E(High heat radiation), SSON-6A (Small leadless) for application.

Application

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

Features

Soft start

Main specifications

Output current [mA]	1000
Absolute maximum rating [V]	7.0
Recommended operating voltage Min. [V]	1.60

MM3703

2023/07/20

Recommended operating voltage Max. [V]	6.5
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]	0.46
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

[HSOP-8E](#)

[SOT89-5A](#)

[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]