

## MM1899

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## Overview

This IC is a low noise 300mA LDO by bipolar process. The applications by new noise reduction circuit are for a power supply of highly sensitive CMOS image sensor.

It is small space by SOT-25 or small package SSON-6A.

## Application

- Audio visual equipment
- Photographing / Imaging device
- In-vehicle infotainment device
- Power supply for high-sensitivity image sensor

## Features

Low noise by bipolar with discharge

## Main specifications

Output current [mA]	300
Absolute maximum rating [V]	15.0
Recommended operating voltage Min. [V]	2.00
Recommended operating voltage Max.	14.0

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[V]	
Output voltage Min. [V]	1.50
Output voltage Max. [V]	5.40
Output voltage accuracy [%]	±1.0
No-Load Input Current [μA]	140.0
Dropout Voltage [V]	0.35
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]	6.00
Output noise voltage Typ. [μVrms]	30
Protection function	OCP, TSD
Additional function	ON/OFF control, Auto discharge, Noise reduction capacitor

## Package

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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]**