

## MM1849

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## Overview

This IC is a 300mA Low dropout regulator IC for 8-10V output voltage.

The IC can use a power supply of blue laser is required for high output voltage, high output current and low noise.

## Application

- Audio visual equipment
- Office equipment / Printer
- Home appliance equipment
- Power supply for blue laser diode

## Features

16V Maximum ratings voltage

## Main specifications

Output current [mA]	300
Absolute maximum rating [V]	16.0
Recommended operating voltage Min. [V]	9.00
Recommended operating voltage Max.	14.0

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[V]	
Output voltage Min. [V]	8.00
Output voltage Max. [V]	10.00
Output voltage accuracy [%]	±2.0
No-Load Input Current [μA]	75.0
Dropout Voltage [V]	0.45
PSRR [dB]	60
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
Protection function	OCP, TSD
Additional function	ON/OFF control

## Package

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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]**