

## MM1877

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## Overview

This IC is 1A Low dropout regulator IC with ON/OFF control of the output voltage.  
The IC applies to various home equipments, for a maximum operating voltage is 14V.

## Application

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

## Features

15V Maximum ratings input voltage

## Main specifications

Output current [mA]	1000
Absolute maximum rating [V]	15.0
Recommended operating voltage Min. [V]	2.20
Recommended operating voltage Max. [V]	14.0

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Output voltage Min. [V]	1.50
Output voltage Max. [V]	5.00
Output voltage accuracy [%]	±2.0
No-Load Input Current [μA]	2000.0
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]	0.00
Output noise voltage Typ. [μVrms]	100
Protection function	OCP, TSD
Additional function	ON/OFF control

## Package

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HSOP-8A

## Case Studies



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