

MM312x

2023/07/20

Overview

This is a 250mA output low saturation regulator IC that achieves low current consumption. Output capacity is 0.1 μ F ESR-free, and the package is SOT89-3A, making it highly versatile for use in cordless telephones and portable devices. Output precision is $\pm 2\%$.

Application

- Audio visual equipment
- Office equipment / Printer
- Home appliance equipment

Features

Low current consumption

Main specifications

Output current [mA]	250
Absolute maximum rating [V]	12.0
Recommended operating voltage Max. [V]	10.0
Output voltage Min. [V]	1.80
Output voltage	

MM312x

2023/07/20

Max. [V]	6.00
Output voltage accuracy [%]	±2.0
No-Load Input Current [μA]	1.0
Dropout Voltage [V]	0.40
Output capacitor [μF]	0.10
Circuit structure	1ch LDO
Operating ambient temperature Min. [deg.C]	-40
Operating ambient temperature Max. [deg.C]	85
Protection function	OCP

Package

SOT89-3A

Case Studies

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

MM312x

2023/07/20