



150 mA, high input voltage LDO Linear Regulators ME6208 Series

General Description

ME6208 series are low-dropout linear voltage regulators with a built-in voltage reference module, error correction module and phase compensation module. ME6208 series are based on the CMOS process and allow high voltage input with low quiescent current. This series has the function of internal feedback resistor setting from 2.0 to 5.0V. The two output voltage accuracies are: $\pm 1\%$ ($V_{OUT} = 2.5V, 3.0V, 3.3V, 5.0V$) and $\pm 2\%$ (other output voltages).

Typical Application

- Electronic weighbridge
- SCM
- Phones, cordless phones
- Security Products
- Water meters, power meters

Features

- High output accuracy:
 - $\pm 1\%$ ($V_{OUT} = 2.5V, 3.0V, 3.3V, 5.0V$)
 - $\pm 2\%$ (Others)
- Input voltage: up to 18 V
- Output voltage: 2.0 V ~ 5.0V
- Ultra-low quiescent current (Typ. = 3 μA)
- Output Current: $I_{out} = 200mA$
(When $V_{in} = 7V$ and $V_{out} = 5V$)
- Importation good stability: Typ. 0.05% / V
- Low temperature coefficient
- Ceramic capacitor can be used

Package

- 3-pin SOT23-3、SOT89-3、TO92

Typical Application Circuit

