

Low power consumption, Low dropout voltage, With CE function

General Description

ME6213 series are highly precise, low power consumption, high voltage, positive voltage regulators manufactured using CMOS and laser trimming technologies. The series provides large currents with a significantly small dropout voltage. The current limiter's foldback circuit also operates as a short protect for the output current limiter and the output pin. The CE function allows the output of regulator to be turned off, resulting in greatly reduced power consumption.

Features

- Highly Accurate: $\pm 2\%$
- Output voltage range: 1.2V~5.0V
- Low power consumption: 7.5uA(TYP.)
- Large output current: 300mA ($V_{IN}=3.8V, V_{OUT}=2.8V$)
- Input voltage: up to 6 V
- Dropout voltage:
0.11V at 100mA and 0.23V at 200mA
- CE Pin Function : Active High
- Short-circuit Current: 45mA(TYP.)
- Excellent Input Stability
- Be available to regulator and reference voltage

Typical Application

- Battery powered equipment
- Communication tools
- Mobile phones
- Portable games
- Portable AV systems
- Cameras, Video systems
- Reference voltage sources

Package

- 5-pin SOT23-5
- 6-pin DFN2×2-6L

Typical Application Circuit

