

Low power consumption, Low ESR Cap. Compatible

General Description

ME6216 series are highly precise, low power consumption, positive voltage regulators manufactured using CMOS technologies. The series provides large currents with a significantly small dropout voltage.

The series is compatible with low ESR ceramic capacitors. The current limiter's foldback circuit also operates as a short protect for the output current limiter and the output pin.

Features

- Output voltage range: 1.0V~5.0V
- Input voltage: up to 6 V
- Dropout Voltage: 110mV@ $I_{OUT} = 100mA$
240mV@ $I_{OUT} = 200mA$
- Highly Accuracy: $\pm 1\%$
- Low power consumption: 6 μA (TYP.)
- Large output current: 300mA ($V_{IN} = 4.3V, V_{OUT} = 3.3V$)
- Excellent Input Stability
- Be available to regulator and reference voltage

Typical Application

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

Package

- 3-pin SOT89-3, SOT23-3, SOT23, TO92, DFN3L

Typical Application Circuit

