

## Low power consumption, Low ESR Cap.Compatible ME6206 Series

### General Description

**ME6206** 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 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

- Maximum Output Current: 300mA  
( $V_{IN}=4.3V, V_{OUT}=3.3V$ )
- Dropout Voltage: 200mV@  $I_{OUT}=100mA$
- Input Voltage Range: up to 6.0V
- Highly Accuracy:  $\pm 2\%$
- Low Power Consumption: 8uA (TYP.)
- Excellent Input Stability
- Be available to regulator and reference voltage

### Typical Application

- Mobile phones
- communication equipment
- Portable games
- Cameras, Video systems
- Reference voltage sources
- Battery powered equipment

### Package

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

### Typical Application Circuit

