Features

- Low Quiescent Current~2μA (Typ.)
- 300mA/250mA Output Current
- High Power Supply Rejection Ratio ~70dB@100Hz
- Ultra Low Dropout Voltage Typically 300mV at 150mA Output Current
- ±2% Output Voltage Accuracy
- Input Voltage Range:2.3V~5.5V
- Internal Over Temperature Protection and Over Current Protection
- Stable with a 1.0μF Ceramic Capacitor
- Packages: SOT-23-5, SOT-23-3, xDFN4-1x1
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)

General Description

The GS7159 is a low drop linear regulator. It is featuring ultra-low quiescent current, high power supply rejection ratio, low dropout voltage, and fast transient response. It guarantees delivery of 300mA output current, and supports preset 1.2V, 1.3V, 1.5V, 1.7V, 1.8V, 1.85V, 1.9V, 2.0V, 2.3V, 2.5V, 2.6V, 2.7V, 2.8V, 2.85V, 2.9V, 3.0V, 3.1V, 3.3V output voltage versions.

Based on its low quiescent current consumption as low as 2μA, the GS7159 is ideal for battery-powered applications. The high power supply rejection ratio of the GS7159 holds well for low input voltages typically encountered in battery-operated systems.

The regulator is stable with small ceramic capacitive loads (1μF typical).

Applications

- Portable/battery powered equipments
- Electronic sensors
- Microcontroller power
- Real time clock backup power

Typical Application

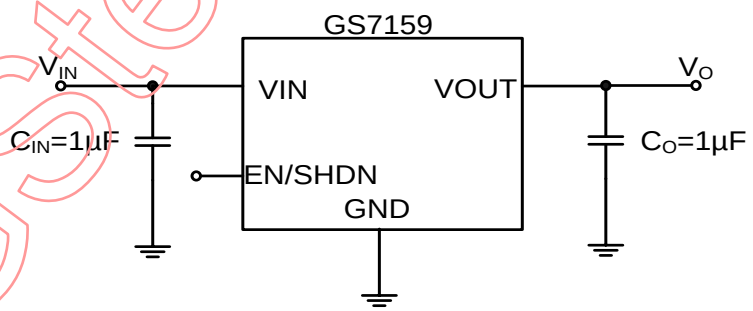

Figure 1 Typical Application of GS7159