

## 1.5A High PSRR, Low Noise, LDO Regulators

### Features

- Low, 45µA No-Load Supply Current
- Guaranteed 1.5A Output Current
- Low Dropout Voltage
- PSRR=70dB (f=100Hz 1.2V output)
- Over-Temperature Protection
- Short-Circuit Protection with Current Fold-back
- Stable with Low Cost Ceramic Capacitors
- Low Temperature Coefficient

### General Description

The G9815 series is a low supply current, high PSRR, low noise, and low dropout linear regulator making them ideal for battery applications. It is available in TO-252, SOT-223 packages. The supply current at no-load is 45µA. An over-temperature protection circuit is built-in in the Device to prevent thermal overload. And the G9815 is equipped with a short-circuit current fold-back protection circuit to prevent from failure. The G9815 is stable with an output capacitance of 4.7µF or greater

### Applications

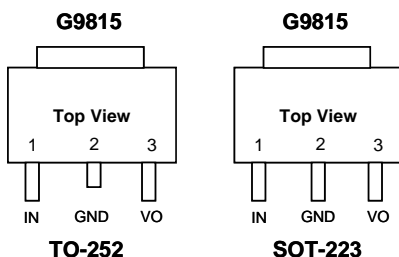
- Instrumentation
- Portable Electronics
- Wireless Devices
- PC Peripherals
- Battery Powered Widgets

### Ordering Information

ORDER NUMBER	MARKING	VOLTAGE	TEMP. RANGE	PACKAGE (Green)
G9815-12T45U	9815-12	1.2V	-40°C ~ +85°C	TO-252
G9815-18T45U	9815-18	1.8V	-40°C ~ +85°C	TO-252
G9815-33T45U	9815-33	3.3V	-40°C ~ +85°C	TO-252
G9815-12T65U	9815-12	1.2V	-40°C ~ +85°C	SOT-223
G9815-18T65U	9815-18	1.8V	-40°C ~ +85°C	SOT-223
G9815-33T65U	9815-33	3.3V	-40°C ~ +85°C	SOT-223

Note: T4: TO-252    T6: SOT-223  
 5: Bonding Code  
 U: Tape & Reel

### Pin Configuration



### Typical Application Circuit

