

## 600mA Low-Dropout Linear Regulators

### Features

- Low, 90 $\mu$ A No-Load Supply Current
- 600mA Output Current Limit Minimum
- Dropout Voltage is 800mV @ 600mA Load
- Over-Temperature Protection and Short-Circuit Protection
- Adjustable Mode: from 1.0V to 5.5V
- Max. Supply Current in Shutdown Mode < 1 $\mu$ A
- Low Output Noise at 220 $\mu$ V<sub>RMS</sub>
- Stable with low cost ceramic capacitors

### Applications

- Notebook Computers
- Cellular Phones
- PDAs
- Digital still Camera and Video Recorders
- Hand-Held Devices
- Bar Code Scanners

### General Description

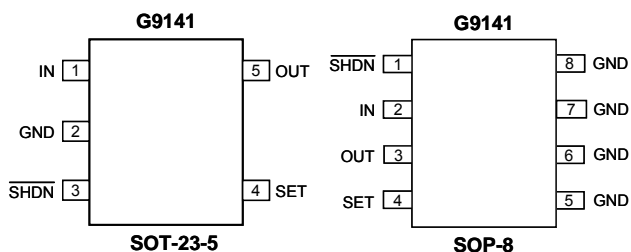
The G9141 is a low supply current, low dropout linear regulator that comes in a space saving SOT-23-5 and SOP-8 package. The supply current at no-load is 90 $\mu$ A. In the shutdown mode, the maximum supply current is less than 1 $\mu$ A. Operating voltage range of the G9141 is from 2.5V to 5.5V. The over-current protection limit is set at 800mA typical. An over-temperature protection circuit is built-in in the G9141 to prevent thermal overload. These power saving features make the G9141 ideal for use in the battery-powered applications such as notebook computers, cellular phones, and PDA's.

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G9141T11U	9141x	-40°C~ +85°C	SOT-23-5
G9141P11U	G9141	-40°C~ +85°C	SOP-8

Note: T1: SOT-23-5 P1: SOP-8  
 1: Bonding Code  
 U: Tape & Reel

### Pin Configuration



### Typical Application Circuit

