

**300mA Low-Dropout Linear Regulators****Features**

- 90 μ A Quiescent Current
- Guaranteed 300mA Output Current
- Dropout Voltage is 0.4V @ $I_o = 300$ mA
- Over-Temperature Protection and Short-Circuit Protection
- Stable With Low Cost Ceramic Capacitors
- Fixed Output Voltage :1.2V, 1.5V, 1.8V, 2.5V, 3.0V, 3.3V, 3.9V

Applications

- Cordless Phones
- PDAs
- Hand-Held Devices
- Bar Code Scanners
- Electronic Scales

General Description

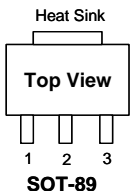
The G9131 is a low supply current, low dropout linear regulator that comes in a space saving SOT-23 package. The supply current at no-load is 90 μ A. An over temperature protection circuit is built-in in the G9131 to prevent thermal overload. These power saving features make the G9131 ideal for use in the battery-powered applications such as notebook computers, cellular phones, and PDA's.

Ordering Information

| ORDER NUMBER (Pb free/Green) | MARKING | VOLTAGE | TEMP. RANGE | PACKAGE | PIN OPTION | | |
|---------------------------------|---------|---------|--------------------------------------|---------|------------------|------------------|-----------------|
| | | | | | 1 | 2 | 3 |
| G9131-12T73Uf | 33xx | 1.2V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-15T73Uf | 35xx | 1.5V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-18T73Uf | 38xx | 1.8V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-25T73Uf | 32xx | 2.5V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-30T73Uf | 30xx | 3.0V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-33T73Uf | 31xx | 3.3V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-39T73Uf | 39xx | 3.9V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-23 | GND | V _{OUT} | V _{IN} |
| G9131-33T24Uf | 31xx | 3.3V | -40 $^{\circ}$ C to +85 $^{\circ}$ C | SOT-89 | V _{OUT} | V _{IN} | GND |

* For other package types, pin options and package, please contact us at sales@gmt.com.tw

Note: T2: SOT-89 T7: SOT-23
 3 & 4: Bonding Code
 U: Tape & Reel

Package Type**Typical Application Circuit**