

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

- 90 $\mu$ 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**

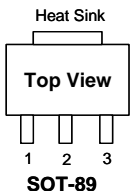
The G9131 is a low supply current, low dropout linear regulator that comes in a space saving SOT-23 package. The supply current at no-load is 90 $\mu$ A. An over temperature protection circuit is built-in in the G9131 to prevent thermal overload. These power saving features make the G9131 ideal for use 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**