

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

- Low, 100 $\mu$ A No-Load Supply Current
- Guaranteed 300mA Output Current
- Dropout Voltage is 100mV @ 100mA Load
- Over-Temperature Protection and Short-Circuit Protection
- Max. Supply Current in Shutdown Mode < 1 $\mu$ A
- 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 G9191 is a low supply current, low dropout linear regulator that comes in a space saving SOT-23-5 package. The supply current at no-load is 100 $\mu$ A. In the shutdown mode, the maximum supply current is less than 1 $\mu$ A. The over-current protection limit is set at 430mA typical. An overtemperature protection circuit is built-in in the G9191 to prevent thermal overload. These power saving features make the G9191 ideal for use in the battery-powered applications such as notebook computers, cellular phones, and PDA's.

These devices feature a shutdown function and are offered in active low with auto discharge. The G9191 is specifically designed to employ ceramic output capacitors.

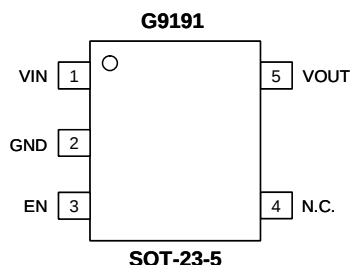
**Ordering Information**

| ORDER NUMBER | MARKING | VOLTAGE | TEMP. RANGE  | PACKAGE (Green) |
|--------------|---------|---------|--------------|-----------------|
| G9191-280T1U | 91AQx   | 2.80V   | -40°C~ +85°C | SOT-23-5        |
| G9191-330T1U | 91AXx   | 3.30V   | -40°C~ +85°C | SOT-23-5        |
| G9191-475T1U | 91BMx   | 4.75V   | -40°C~ +85°C | SOT-23-5        |

For other output voltage, please contact us at sales@gmt.com.tw

Note: T1: SOT-23-5

U: Tape & Reel

**Pin Configuration****Typical Application Circuit**