300mA Low-Dropout Linear Regulators

Features

- **Low, 100µA 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 < 1µA**
- **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 G9291 is a low supply current, low dropout linear regulator that comes in a space saving TSOT-23-5, package. The supply current at no-load is 100µA. In the shutdown mode, the maximum supply current is less than 1µA. The over-current protection limit is set at 430mA typical. An overtemperature protection circuit is built-in in the G9291 to prevent thermal overload. These power saving features make the G9291 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 G9291 is specifically designed to employ ceramic output capacitors. The G9291 comes in a space saving TSOT-23-5 package.

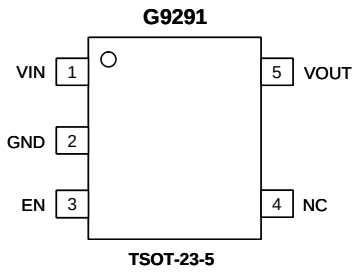
Ordering Information

ORDER NUMBER	MARKING	VOLTAGE	TEMP. RANGE	PACKAGE (Green)
G9291-250TO1U	921Ix	2.50V	-40°C~ +85°C	TSOT-23-5

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

Note: TO: TSOT-23-5
1: Bonding Code
U: Tape & Reel

Pin Configuration



Typical Application Circuit

