

Dual, 300mA Low-Dropout Linear Regulators

Features

- Two Low-Dropout-Voltage Regulators
- 300mA Output Current for Each LDO
- Independent Enable Control
- Dropout Voltage is 100mV@ 100mA Load
- Over-Temperature Protection and Short-Circuit Protection
- 1.2V to 3.3V Factory-Preset Output
- Max. Supply Current in Shutdown Mode < 1μA
- Small Ceramic Output Capacitors

Applications

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

General Description

The G9093 is a dual, low supply current, low dropout linear regulator that comes in a space saving TSOT-23-6 package. The supply current at no-load is 200μA. In the shutdown mode, the maximum supply current is less than 1μA. Output voltage range of the G9093 is from 1.2V to 3.3V. The over-current protection limit is set at 400mA typical. An over-temperature protection circuit is built-in in the G9093 to prevent thermal overload. These power saving features make the G9093 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 G9093 comes in a space saving TSOT-23-6 package.

Ordering Information

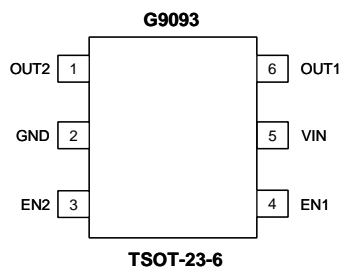
| ORDER NUMBER | MARKING | OUT1 | OUT2 | TEMP. RANGE | PACKAGE (Green) |
|--------------|---------|------|------|-------------|-----------------|
| G9093RNTP1U | 93RNx | 3.3V | 2.8V | -40°C~+85°C | TSOT-23-6 |
| G9093QQTP1U | 93QQx | 3.0V | 3.0V | -40°C~+85°C | TSOT-23-6 |
| G9093RHTP1U | 93RHx | 3.3V | 1.8V | -40°C~+85°C | TSOT-23-6 |
| G9093NRTP1U | 93NRx | 2.8V | 3.3V | -40°C~+85°C | TSOT-23-6 |
| G9093NHTP1U | 93NHx | 2.8V | 1.8V | -40°C~+85°C | TSOT-23-6 |
| G9093NNTP1U | 93NNx | 2.8V | 2.8V | -40°C~+85°C | TSOT-23-6 |
| G9093LLTP1U | 93LLx | 2.5V | 2.5V | -40°C~+85°C | TSOT-23-6 |

Note:TP: TSOT-23-6

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

