

## Low Quiescent Current Voltage Regulator

### Features

- Low current consumption (typically 4.5 $\mu$ A)
- Output voltage accuracy  $\pm 2.5\%$
- Drop-output voltage (typically)
  - 2.5V @ 50mA loading
  - 1.6V @ 10mA loading
- Wide operating range (max 25V)
- Internal over temperature protection
- Excellent line regulation
  - Regulation <5mV @ 1mA loading VCC 6~25V
- Good load regulation
  - Regulation: (typically)
  - 40mV @  $V_{CC}$  7V loading 1 $\mu$ A to 30mA
- SOT-89, SOT-23-5 and TSOT-23-5 package available

### General Description

The G920 is a three terminal positive voltage regulator made using the CMOS process. The G920 can work in a wide operation range from 6V to 25V. The quiescent current is small even at high input voltage. The typical current consumption is about 4.5 $\mu$ A. It is very suitable for the battery-powered portable equipment, especially the keep-alive system. The G920 can provide the higher performance and a longer battery service life.

### Package Type

### Typical Application

