



Dual 500mA LDO Regulator

Features

- Wide Input Voltage Range: 4.3V~6.5V
- $I_O = 500\text{mA}$, $V_{O_{UT1}}=2.5\text{V}/1.8\text{V}$, Dropout Voltage Typically 1V; $V_{O_{UT2}}=3.3\text{V}$, Dropout Voltage Typically 1V
- Output Current in Excess of 500mA
- Output Voltage Accuracy $\pm 2\%$
- Quiescent Current, Typically 200 μA
- Internal Short Circuit Current Limit
- Internal Over Temperature Protection

Applications

- CD/DVD-ROM, CD/RW
- Wireless LAN Card/Keyboard/Mouse
- Battery-Powered Equipment
- XDSL Router

General Description

The G926A is a dual low dropout regulator with VOUT1 2.5V/500mA and VOUT2 3.3V/500mA, G926B is with VOUT1 1.8V/500mA and VOUT2 3.3V/500mA. The dropout voltage is typically 1V with 500mA load. A low quiescent current is typical 200 μA .

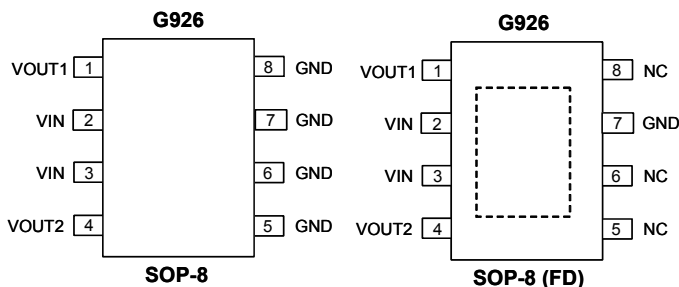
Familiar regulator features such as over temperature and current limit protection circuits are provided to prevent it from being damaged by abnormal operating conditions.

The G926 comes in a SOP-8 and SOP-8 (FD) with power-pad package.

Ordering Information

| ORDER NUMBER | MARKING | VOUT1 | VOUT2 | TEMP. RANGE | PACKAGE (Pb free) |
|--------------|---------|-------|-------|--------------|-------------------|
| G926AP1U | G926A | 2.5V | 3.3V | -40°C~ +85°C | SOP-8 |
| G926BP1U | G926B | 1.8V | 3.3V | -40°C~ +85°C | SOP-8 |
| G926AF1U | G926A | 2.5V | 3.3V | -40°C~ +85°C | SOP-8 (FD) |
| G926BF1U | G926B | 1.8V | 3.3V | -40°C~ +85°C | SOP-8 (FD) |

Pin Configuration



Typical Application Circuit

