



Dual 500mA LDO Regulator

Features

- Wide Input Voltage Range: 4.3V~6.5V
- $I_o = 500\text{mA}$, $V_{OUT1} = 2.5\text{V}/1.8\text{V}$, Dropout Voltage Typically 1V; $V_{OUT2} = 3.3\text{V}$, 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

General Description

The G926A is a dual low dropout regulator with V_{OUT1} 2.5V/500mA and V_{OUT2} 3.3V/500mA, G926B is with V_{OUT1} 1.8V/500mA and V_{OUT2} 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.

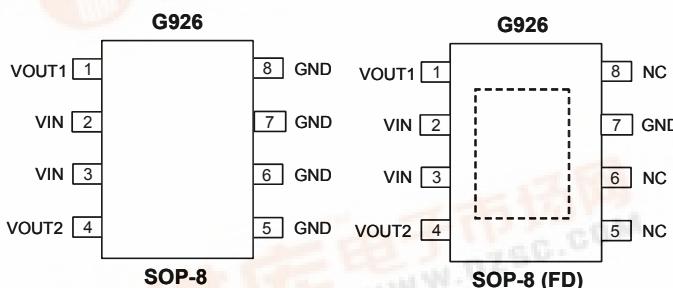
Applications

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

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

