



Low Quiescent Current Voltage Regulator

Features

- Low current consumption (typically 4.5 μ 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 7~25V
- Good load regulation
Regulation: (typically)
40mV @ V_{CC} 7V loading 1 μ A to 30mA
- SOT-223 package available

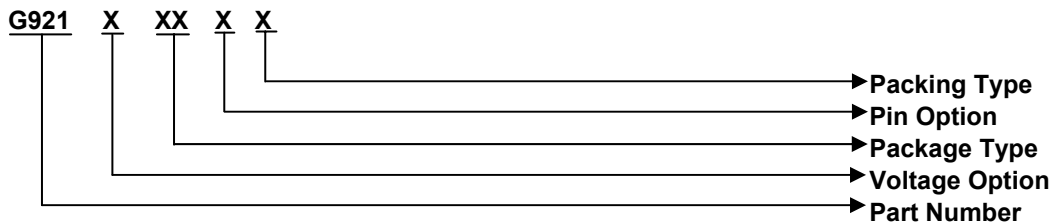
General Description

The G921 is a three terminal positive voltage regulator made using the CMOS process. The G921 can work in a wide operation range from 7V to 25V. The quiescent current is small even at high input voltage. The typical current consumption is about 4.5 μ A. It is very suitable for the battery-powered portable equipment, especially the keep-alive system. The G921 can provide the higher performance and a longer battery service life.

Ordering Information

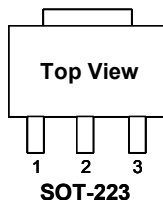
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Pb free)
G921AT65U	G921AT65	-40°C to 85°C	SOT-223
G921BT65U	G921BT65	-40°C to 85°C	SOT-223
G921CT65U	G921CT65	-40°C to 85°C	SOT-223

Order Number Identification



PACKAGE TYPE	VOLTAGE OPTION	PIN OPTION			PACKING
T6 : SOT-223	A : 3.3V B : 3.5V C : 5.0V	1 1 : V _{OUT} 2 : V _{OUT} 3 : GND 4 : GND 5 : V _{IN} 6 : V _{IN}	2 GND V _{IN} V _{OUT} V _{IN} GND V _{OUT}	3 V _{IN} GND V _{IN} V _{OUT} V _{OUT} GND	U : Tape & Reel

Package Type



Typical Application Circuit

