



# 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 7~25V
- Good load regulation  
Regulation: (typically)  
40mV @V<sub>CC</sub> 7V loading 1 $\mu$ A to 30mA
- SOT-223 package available

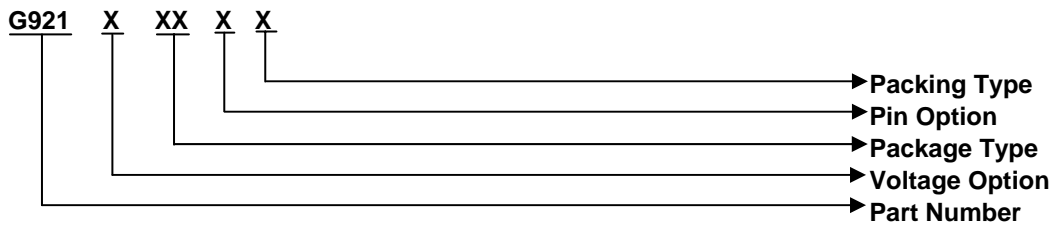
## General Description

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 $\mu$ 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

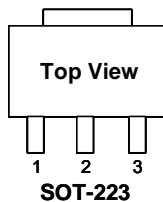
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G921AT65U	G921AT65	-40°C to 85°C	SOT-223
G921BT65U	G921BT65	-40°C to 85°C	SOT-223
G921CT65U	G921CT65	-40°C to 85°C	SOT-223

## Order Number Identification



PACKAGE TYPE	VOLTAGE OPTION	PIN OPTION			PACKING
T6 : SOT-223	A : 3.3V B : 3.5V C : 5.0V	<b>1</b>	<b>2</b>	<b>3</b>	U : Tape & Reel
		1 : V <sub>OUT</sub>	GND	V <sub>IN</sub>	
		2 : V <sub>OUT</sub>	V <sub>IN</sub>	GND	
		3 : GND	V <sub>OUT</sub>	V <sub>IN</sub>	
		4 : GND	V <sub>IN</sub>	V <sub>OUT</sub>	
		5 : V <sub>IN</sub>	GND	V <sub>OUT</sub>	
		6 : V <sub>IN</sub>	V <sub>OUT</sub>	GND	

## Package Type



## Typical Application Circuit

