

Low Quiescent Current Voltage Regulator

Features

- Low current consumption (typically 4.5µA)
- 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 $< 5\text{mV}$ @ 1mA loading VCC 7~25V
- Good load regulation
Regulation: (typically)
40mV @ V_{CC} 7V loading 1µA to 30mA
- SOT-223 package available

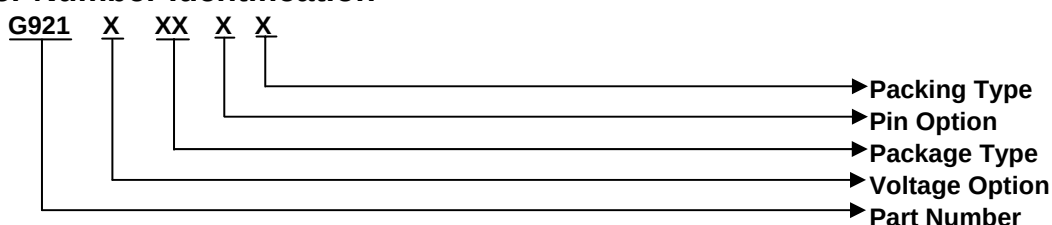
General Description

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 4.5μA. 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

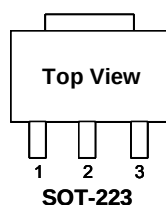
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G921AT65U	G921AT65	-40°C to 85°C	SOT-223
G921BT65U	G921BT65	-40°C to 85°C	SOT-223
G921CT65U	G921CT65	-40°C to 85°C	SOT-223

Order Number Identification



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

Package Type



Typical Application Circuit

