

400mA High PSRR, Low Noise, LDO Regulators

Features

- Low, 50µA No-Load Supply Current
- Guaranteed 400mA Output Current
- Dropout Voltage is 240mV @ 300mA Load
- PSRR=65dB (f=1kHz 1.2V output)
- Over-Temperature Protection and Short-Circuit Protection
- Stable with Low Cost Ceramic Capacitors
- Output Voltage 0.8V to 1.8V with 0.1V Step
- Turn on Speed 60µs

Applications

- Notebook Computers
- Cellular Phones
- PDAs
- Digital still Camera and Video Recorders
- Hand-Held Devices
- Audio Codec

General Description

The G9298 series is a low supply current, high PSRR, low noise, and low dropout linear regulator that comes in a space saving SOT-23-5, TSOT-23-5 and WLCSP package. The supply current at no-load is 50µA. In the shutdown mode, the maximum supply current is less than 8µA. An over-temperature protection circuit is built-in in the Device to prevent thermal overload. These power saving features make the G9298 series ideal for use in the battery-powered applications such as notebook computers, cellular phones, and PDA's.

Ordering Information

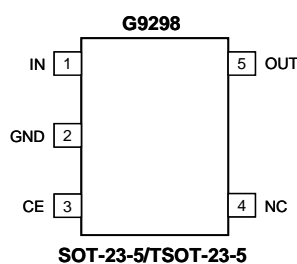
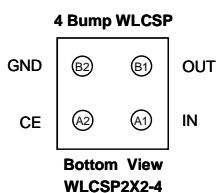
ORDER NUMBER	MARKING	VOLTAGE	TEMP. RANGE	PACKAGE (Green)
G9298-080T11U	998Bx	0.8V	-40°C~ +85°C	SOT-23-5
G9298-081T11U	998Ex	0.81V	-40°C~ +85°C	SOT-23-5
G9298-120T11U	998Ax	1.2V	-40°C~ +85°C	SOT-23-5
G9298-125T11U	998Dx	1.25V	-40°C~ +85°C	SOT-23-5
G9298-180T11U	998Cx	1.8V	-40°C~ +85°C	SOT-23-5
G9298-080TO1U	998Bx	0.8V	-40°C~ +85°C	TSOT-23-5
G9298-125TO1U	998Dx	1.25V	-40°C~ +85°C	TSOT-23-5
G9298-150TO1U	998Fx	1.5V	-40°C~ +85°C	TSOT-23-5
G9298-080CA1U	Bx	0.8V	-40°C~ +85°C	WLCSP2X2-4
G9298-081CA1U	Ex	0.81V	-40°C~ +85°C	WLCSP2X2-4
G9298-120CA1U	Ax	1.2V	-40°C~ +85°C	WLCSP2X2-4
G9298-125CA1U	Dx	1.25V	-40°C~ +85°C	WLCSP2X2-4
G9298-150CA1U	Fx	1.5V	-40°C~ +85°C	WLCSP2X2-4
G9298-180CA1U	Cx	1.8V	-40°C~ +85°C	WLCSP2X2-4

Note: T1: SOT-23-5 TO:TSOT-23-5 CA: WLCSP2X2-4

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

