

Super-Small Package PWM Control Step-up Switching Regulator

General Description

The PN2262 is a compact, high efficiency, and low voltage step-up DC/DC converter with an Adaptive Current Mode PWM control loop, includes an error amplifier, ramp generator, comparator, switch pass element and driver in which providing a stable and high efficient operation over a wide range of load currents. It operates in stable waveforms without external compensation.

PN2262 can provide 1100mA output current when input voltage above 3.5V. Besides, the 21 μ A low quiescent current together with high efficiency maintains long battery lifetime. The output voltage is set with two external resistors. Both internal 2.5A switch and driver for driving external power devices (NMOS or NPN) are provided.

Features

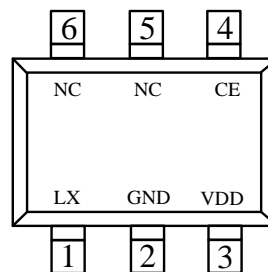
- 1MHz fixed switching frequency
- 90% efficiency
- 21 μ A quiescent (switch-off) supply current

Ordering Information

PN2262P①②③④⑤⑥

Designator	Symbol	Description	Designator	Symbol	Description
①	K	CE without internal pull down resistor	⑤	M	SOT-23-6L
②③	Voltage		⑥	R	Embossed Tape :Standard Feed
	50	VDD is 5.0V		L	Embossed Tape : Reverse Feed
④	2	Reference accuracy:±2%			

Pin Configuration



SOT-23-6L
(Top View)

- 0.01 μ A shutdown mode supply current
- Providing flexibility for using internal power switches
- Output voltage: settable to between 2.5V to 5.5V ,accuracy of 2%

Applications

- MP3
- PDA
- DSC
- LCD panel
- RF-Tags
- Portable instrument
- Wireless equipment

Package

- SOT-23-6L