## **PWM Control Step-up DC/DC Converter**

### **■** General Description

The PN2119 Series is a fixed frequency, constant current step-up DC/DC converter ideal for driving OLED. Output voltage of up to 22V can be derived, and from a li-ion battery supply ,the output voltage can be 12V drive OLED. A 2 ohm resistance of NMOS is integrated in the circuit , withstand voltage can support 22V, with a small SOT-23-5 package saves PCB space and BOM cost.

## Applications

- Mobil phones, PHS
- PDAs
- Digital still cameras

#### Features

Input voltage range 2.7V—5.5V
Output voltage range up to 22V
Oscillation frequency 1.0MHz±20%

• Efficiency 88%

Control PWM control
Stand-by Current ISTB=1.0uA(MAX)
Load capacitor 10uF,ceramic

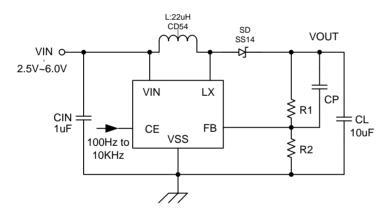
600mA

## ■ Package

LX limit Current

SOT-23-5L

## **■** Typical Application Circuit



$$\frac{\text{VOUT}}{\text{VFB}} = \frac{\text{R1} + \text{R2}}{\text{R2}}$$

**Note:** R1 and R2 can be adjusted by the voltage of VOUT and FB Pin; (when vout is equal to 12V,recommended resistor R1 = 875K, R2 = 100K,CP=100pF)

# Ordering Information

PN2119 123

ltem	Symbol	Function
1)	В	Denotes Oscillation Frequency:1.0MHZ
2	M	Denotes Package Type : SOT-23-5L
3	R	Embossed Tape :Standard Feed
	L	Embossed Tape :Reverse Feed

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