

产品概览

NCV6324: Synchronous Buck Converter, 3 MHz, 2.0 A

欲看完整文档，请参阅数据表。

The NCV6324B/C, a family of synchronous buck converters, which is optimized to supply different sub systems of portable applications powered by one cell Li-ion or three cell Alkaline/NiCd/NiMH batteries. The devices are able to deliver up to 2 A on an external adjustable voltage. Operation with 3 MHz switching frequency allows employing small size inductor and capacitors. Input supply voltage feedforward control is employed to deal with wide input voltage range. Synchronous rectification and automatic PWM/PFM power save mode offer improved system efficiency. The NCV6324B/C is in a space saving, low profile 2.0 x 2.0 x 0.75 mm WDFN-8 package.

特性

- 2.5 V to 5.5 V Input Voltage Range
- 3 MHz Switching Frequency
- Automatic Power Save Mode (NCP6324B) or Operating Mode Selection (NCP6324C)

应用

- Portable & Wireless Applications
- Computing & Peripherals Applications
- Consumer Applications

优势

- Support Latest Battery
- Reduced output inductor and capacitor size
- Lower Quiescent Current, Save Battery Life

终端产品

- Cellular Phones, Smart Phones, and PDAs
- Portable Media Players
- Digital Still Cameras
- USB Powered Devices
- Game and Entertainment System

器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Topology	Control Mode	V_{GC} Min (V)	V_{GC} Max (V)	V_o Typ (V)	I_o Typ (A)	Efficiency (%)	f_{sw} Typ (kHz)	Package Type
NCV6324BMTAATBG	0.36	AEC Qualified PPAP Capable Pb-free Halide free	Active	Step-Down	Voltage Mode	2.5	5.5	0.6 to 5.0	2	96	3000	WDFN-8
NCV6324BMTAAWTBG	0.36	AEC Qualified PPAP Capable Pb-free Halide free	Active	Step-Down	Voltage Mode	2.5	5.5	0.6 to 5.0	2	96	3000	WDFNW-8
NCV6324CMTAATBG	0.36	AEC Qualified PPAP Capable Pb-free Halide free	Active	Step-Down	Voltage Mode	2.5	5.5	0.6 to 5.0	2	96	3000	WDFN-8
NCV6324CMTAAWTBG	0.36	AEC Qualified PPAP Capable Pb-free Halide free	Active	Step-Down	Voltage Mode	2.5	5.5	0.6 to 5.0	2	96	3000	WDFNW-8

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

创建于：8/8/2020