

## 製品概要

## NCV6324: Synchronous Buck Converter, 3 MHz, 2.0 A

技術情報は、データシートをご参照ください。

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.

## 特長

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

## 利点

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

## アプリケーション

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

## 最終製品

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

## 電氣的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Topology	Control Mode	V <sub>GC</sub> Min (V)	V <sub>GC</sub> Max (V)	V <sub>O</sub> Typ (V)	I <sub>O</sub> Typ (A)	Efficiency (%)	f <sub>sw</sub> 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

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