

## 产品概览

### NCP1729: 50 mA, 35 kHz Switched Capacitor Voltage Inverter with Shutdown

欲看完整文档，请参阅数据表。

The NCP1729 is a CMOS charge pump voltage inverter that is designed for operation over an input voltage range of 1.15 V to 5.5 V with an output current capability in excess of 50 mA. The operating current consumption is only 122  $\mu$ A, and a power saving shutdown input is provided to further reduce the current to a mere 0.4  $\mu$ A. The device contains a 35 kHz oscillator that drives four low resistance MOSFET switches, yielding a low output resistance of 26  $\Omega$  and a voltage conversion efficiency of 99%. This device requires only two external 3.3 $\mu$ F capacitors for a complete inverter making it an ideal solution for numerous battery powered and board level applications. The NCP1729 is available in the space saving TSOP-6 (SOT-23-6) package.

### 特性

- Operating Voltage Range of 1.15 V to 5.5 V
- Output Current Capability in Excess of 50 mA
- Low Current Consumption of 122  $\mu$ A
- Power Saving Shutdown Input for a Reduced Current of 0.4  $\mu$ A
- Operation at 35 kHz
- Space Saving TSOP-6 (SOT-23-6) Package
- Low Output Resistance of 26 $\Omega$

### 应用

- LCD Panel Bias
- Cellular Telephones
- Pagers
- Personal Digital Assistants
- Electronic Games

### 器件电气规格

产品	Compliance	Status	V <sub>in</sub> Typ (V)	V <sub>out</sub> Typ (V)	I <sub>out</sub> Typ (mA)	I <sub>CC</sub> Max ( $\mu$ A)	f <sub>osc</sub> Typ (kHz)	Shutdown Pin	Package Type
NCP1729SN35T1G	Pb-free	Active	1.15 to 5.5	-Vin or 2Vin	50	20	35	Yes	TSOP-6
	Halide free								
NCV1729SN35T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	1.15 to 5.5	-Vin or 2Vin	50	20	35	Yes	TSOP-6

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