

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 μ A, and a power saving shutdown input is provided to further reduce the current to a mere 0.4 μ A. The device contains a 35 kHz oscillator that drives four low resistance MOSFET switches, yielding a low output resistance of 26 Ω and a voltage conversion efficiency of 99%. This device requires only two external 3.3 μ 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 μ A
- Power Saving Shutdown Input for a Reduced Current of 0.4 μ A
- Operation at 35 kHz
- Space Saving TSOP-6 (SOT-23-6) Package
- Low Output Resistance of 26 Ω

应用

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

器件电气规格

| 产品 | Compliance | Status | V _{in} Typ (V) | V _{out} Typ (V) | I _{out} Typ (mA) | I _{CC} Max (μ A) | f _{osc} Typ (kHz) | Shutdown Pin | Package Type |
|----------------|---|--------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------------------|--------------|--------------|
| NCP1729SN35T1G | Pb-free Halide free | Active | 1.15 to 5.5 | -Vin or 2Vin | 50 | 20 | 35 | Yes | TSOP-6 |
| NCV1729SN35T1G | AEC Qualified PPAP Capable Pb-free Halide free | Active | 1.15 to 5.5 | -Vin or 2Vin | 50 | 20 | 35 | Yes | TSOP-6 |

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

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