

## 产品概览

### NCP600: LDO 稳压器, 150 mA, 超低漏, 低功率, 高性能, 带启用

欲看完整文档, 请参阅数据表。

NCP600 低漏 (LDO) 线性稳压器, 为固定电压选件或在 5.0 V 至 1.250 V 的可调输出电压范围内提供 150 mA 输出电流。适合电池供电应用, 提供高性能功能, 如低功率运行、快速启用响应时间和低漏。此器件适用于低成本的陶瓷电容器, 采用 TSOP5 封装。

#### 特性

- UltraLow Dropout Voltage of 150 mV at 150 mA
- Adjustable Output by External Resistors from 5.0 V down to 1.250 V
- Fast Enable Turnon Time of 15  $\mu$ s
- Wide Supply Voltage Range Operating Range.
- Excellent Line and Load Regulation
- High Accuracy 2% Output Voltage Tolerance over All Operating Conditions
- Typical Noise Voltage of 50 Vrms without a Bypass Capacitor
- PbFree Package is Available
- Fixed Voltage Options - 1.5V, 1.8V, 2.8V, 3.0V, 3.3V, 5.0V

#### 优势

- Maintains full operation near end of battery life.
- Customizable for all system voltages.
- Faster system powerup.
- Adaptable to many systems.
- Prevents system reboots and spurious performance.
- Predicable system performance.
- Cost savings.
- Good for the environment.
- Saves external voltage divider.

#### 应用

- SMPS Post-Regulation
- Noise Sensitive Circuits - VCO, RF Stages, etc...

#### 终端产品

- Hand-held Instrumentation
- Camcorders and Cameras

#### 器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	$V_o$ (V)	$I_o$ Typ (A)	$V_i$ Min (V)	$V_i$ Max (V)	$V_{do}$ Typ (V)	$I_q$ Typ (mA)	PSR R (dB)	Noise ( $\mu$ V <sub>rms</sub> )	Enable	Power Good	Application	Package Type
NCP600SN330T1G	0.216	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.15	1.8	6	0.075	0.145	55	50	Yes	No		TSO P-5 / SOT-23-5
NCP600SNADJT1G	0.1701	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	Adj	0.15	1.8	6	0.075	0.1	55	50	Yes	No		TSO P-5 / SOT-23-5

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