

## 产品概览

### NCV8605: LDO 稳压器, 500 mA, 低漏

欲看完整文档, 请参阅数据表。

NCV8605/NCV8606 在固定电压选项下或 5.0 V 到低至 1.25 V 的可调输出电压范围内提供超过 500 mA 的输出电流。此类器件适用于空间受限和便携式电池供电应用, 提供高 PSRR、低噪声运行、短路和高温保护。该器件设计用于低成本陶瓷电容器, 并采用 DFN6 3x3.3 封装。NCV8605 不带启用引脚, 而 NCV8606 带启用引脚。

### 特性

- Output Voltage Options: Adjustable, 1.5 V, 1.8 V, 2.5 V, 2.8 V, 3.0 V, 3.3 V, 5.0 V
- Adjustable Output by External Resistors from 5.0 V down to 1.25 V
- Current Limit 675 mA
- Low IGND (Independent of Load)
- 1.5% Output Voltage Tolerance Over All Operating Conditions (Adjustable)
- 2% Output Voltage Tolerance Over All Operating Conditions (Fixed)
- NCP605 Fixed is Direct Replacement LP8345
- Typical Noise Voltage of 50 Vrms without a Bypass Capacitor
- Enhanced ESD Ratings: 4 kV Human Body Mode (HBM) 400 V Machine Model (MM)

### 应用

- Battery Power Electronics
- Portable Instrumentation

### 终端产品

- Hard Disk Drivers
- Notebook Computers



产品	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	V <sub>O</sub> (V)	I <sub>O</sub> Typ (A)	V <sub>Min</sub> (V)	V <sub>Max</sub> (V)	V <sub>DO</sub> Typ (V)	I <sub>q</sub> Typ (mA)	PSR R (dB)	Noise (μV <sub>rms</sub> )	Enable	PowerGood	Package Type
NCV8605MN15T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.5	0.5	1.5	6	0.29	0.145	62	50	No	No	DFN-6
NCV8605MN18T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	0.5	1.5	6	0.25	0.145	62	50	No	No	DFN-6
NCV8605MN25T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.5	0.5	1.5	6	0.2	0.145	62	50	No	No	DFN-6
NCV8605MN28T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.8	0.5	1.5	6	0.19	0.145	62	50	No	No	DFN-6
NCV8605MN30T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3	0.5	1.5	6	0.18	0.145	62	50	No	No	DFN-6
NCV8605MN33T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.5	1.5	6	0.17	0.145	62	50	No	No	DFN-6
NCV8605MN50T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.5	1.5	6	0.15	0.145	62	50	No	No	DFN-6
NCV8605MNADJT2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive Adj	0.5	0.5	1.5	6	0.45	0.145	62	50	No	No	DFN-6
NCV8606MN15T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.5	0.5	1.5	6	0.29	0.145	62	50	Yes	No	DFN-6
NCV8606MN18T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	0.5	1.5	6	0.25	0.145	62	50	Yes	No	DFN-6
NCV8606MN25T2G	0.5733	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.5	0.5	1.5	6	0.2	0.145	62	50	Yes	No	DFN-6

NCV8606MN28T2G	0.5733	AEC Qualified	Active	Single	Positive	2.8	0.5	1.5	6	0.19	0.145	62	50	Yes	No	DFN-6
		PPAP Capable														
		Pb-free														
		Halide free														
NCV8606MN30T2G	0.5733	AEC Qualified	Active	Single	Positive	3	0.5	1.5	6	0.18	0.145	62	50	Yes	No	DFN-6
		PPAP Capable														
		Pb-free														
		Halide free														
NCV8606MN33T2G	0.5733	AEC Qualified	Active	Single	Positive	3.3	0.5	1.5	6	0.17	0.145	62	50	Yes	No	DFN-6
		PPAP Capable														
		Pb-free														
		Halide free														
NCV8606MN50T2G	0.5733	AEC Qualified	Active	Single	Positive	5	0.5	1.5	6	0.15	0.145	62	50	Yes	No	DFN-6
		PPAP Capable														
		Pb-free														
		Halide free														
NCV8606MNADJT2G	0.5733	AEC Qualified	Active	Single	Positive	Adj	0.5	1.5	6	0.45	0.145	62	50	Yes	No	DFN-6
		PPAP Capable														
		Pb-free														
		Halide free														

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创建于：7/7/2020