

製品概要

NCP605: LDO Regulator, Low Ignd, with Enhanced ESD Protection

技術情報は、データシートをご参照ください。

The NCP605/NCP606 Low Dropout (LDO) Linear Voltage Regulator provides in excess of 500 mA of output current at fixed voltage options or an adjustable output voltage from 5.0 V down to 1.25 V. These devices are designed for space constrained and portable battery powered applications and offer additional features such as high PSRR, low noise operation, short circuit and thermal protection. The devices are designed to be used with low cost ceramic capacitors and are packaged in the DFN6 3x3.3. NCP605 is designed without enable pin, NCP606 is designed with enable pin.

特長

- 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)
- $\pm 1.5\%$ Output Voltage Tolerance Over All Operating Conditions (Adjustable)
- $\pm 2\%$ Output Voltage Tolerance Over All Operating Conditions (Fixed)
- NCP605 Fixed is Direct Replacement LP8345
- Typical Noise Voltage of 50 μV_{rms} without a Bypass Capacitor
- Enhanced ESD Ratings: 4 kV Human Body Mode (HBM) 400 V Machine Model (MM)
- These are Pb-Free Devices

For more features, see the data sheet

アプリケーション

- Battery Power Electronics
- Portable Instrumentation

最終製品

- Hard Disk Drivers
- Notebook Computers

電氣的仕様

製品	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 (μV _{rms})	Enable	PowerGood	Package Type
NCP605MN15T2G	0.4173	Pb-free Halide free	Active	Single	Positive	1.5	0.5	1.5	6	0.29	0.145	62	50	No	No	DFN-6
NCP605MN18T2G	0.4173	Pb-free Halide free	Active	Single	Positive	1.8	0.5	1.5	6	0.25	0.145	62	50	No	No	DFN-6
NCP605MN25T2G	0.432	Pb-free Halide free	Active	Single	Positive	2.5	0.5	1.5	6	0.2	0.145	62	50	No	No	DFN-6
NCP605MN28T2G	0.4173	Pb-free Halide free	Active	Single	Positive	2.8	0.5	1.5	6	0.19	0.145	62	50	No	No	DFN-6
NCP605MN30T2G	0.432	Pb-free Halide free	Active	Single	Positive	3	0.5	1.5	6	0.18	0.145	62	50	No	No	DFN-6
NCP605MN33T2G	0.432	Pb-free Halide free	Active	Single	Positive	3.3	0.5	1.5	6	0.17	0.145	62	50	No	No	DFN-6
NCP605MN50T2G	0.4173	Pb-free Halide free	Active	Single	Positive	5	0.5	1.5	6	0.15	0.145	62	50	No	No	DFN-6
NCP605MNADJT2G	0.432	Pb-free Halide free	Active	Single	Positive	Adj	0.5	1.5	6	0.45	0.145	62	50	No	No	DFN-6
NCP606MN15T2G	0.5113	Pb-free Halide free	Active	Single	Positive	1.5	0.5	1.5	6	0.29	0.145	62	50	Yes	No	DFN-6
NCP606MN18T2G	0.4051	Pb-free Halide free	Active	Single	Positive	1.8	0.5	1.5	6	0.25	0.145	62	50	Yes	No	DFN-6
NCP606MN25T2G	0.432	Pb-free Halide free	Active	Single	Positive	2.5	0.5	1.5	6	0.2	0.145	62	50	Yes	No	DFN-6
NCP606MN28T2G	0.432	Pb-free Halide free	Active	Single	Positive	2.8	0.5	1.5	6	0.19	0.145	62	50	Yes	No	DFN-6
NCP606MN30T2G	0.5113	Pb-free Halide free	Active	Single	Positive	3	0.5	1.5	6	0.18	0.145	62	50	Yes	No	DFN-6
NCP606MN33T2G	0.338	Pb-free Halide free	Active	Single	Positive	3.3	0.5	1.5	6	0.17	0.145	62	50	Yes	No	DFN-6
NCP606MN50T2G	0.432	Pb-free Halide free	Active	Single	Positive	5	0.5	1.5	6	0.15	0.145	62	50	Yes	No	DFN-6
NCP606MNADJT2G	0.3879	Pb-free Halide free	Active	Single	Positive	Adj	0.5	1.5	6	0.45	0.145	62	50	Yes	No	DFN-6

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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