

## 製品概要

### NCV8187: 1.2A LDO レギュレータ、低ドロップアウト電圧、低ノイズ、パワー・グッド出力あり

技術情報は、データシートをご参照ください。

NCV8187 は 1.2 A LDO レギュレータであり、低静止電流消費 (全温度範囲で標準 30  $\mu$ A)、低ドロップアウト電圧、低出力ノイズ、非常に優れた PSRR を備えています。レギュレータには、サーマル・シャットダウン、ソフト・スタート、電流制限、パワー・グッド出力信号などのいくつかの保護機能を搭載しており、MCU を簡単に接続できます。

#### 特長

- Low Vin 1.5 V
- Ultra Low Noise 15  $\mu$ Vrms
- High PSRR 75 dB at 1 kHz
- Low Vout from 0.8 V
- Power Good Signal
- Available in DFN6 2x2 mm and DFN8 3x3mm packages
- 150C operating Junction temperature

#### アプリケーション

- RF, PLL, VCO and Clock Power Supplies
- Image Sensor Power Supply
- Point of Load
- Communication Systems and Infotainment

#### 利点

- Ideal for 1.8V rails from DCDC
- Very well suited for noise sensitive applications
- High input ripple rejection that is excellent for power sensitive devices
- Suitable for low voltage applications
- Perfect for rail monitoring and/or sequencing
- Improved thermal resistance with wettable flank (pin edge plating)
- Enables higher power capability with extended temperatures

#### 最終製品

- RF Transceivers
- Camera module
- Internet Connection Sharing (ICS) Gateway Server Applications
- MQB Modular Architectures



製品	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	V <sub>O</sub> (V)	I <sub>O</sub> Typ (A)	V <sub>I</sub> Min (V)	V <sub>I</sub> Max (V)	V <sub>DO</sub> Typ (V)	I <sub>Q</sub> Typ (mA)	PSR R (dB)	Noise (μV <sub>rms</sub> )	Enable	Power Good	Application	Package Type
NCV8187ADT180RKG		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview														DPK-5
NCV8187ADT330RKG		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview														DPK-5
NCV8187ADTADJRKG		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview														DPK-5
NCV8187AML120TAG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	1.2	1.5	5.5	0.325	0.03	75	15	Yes	Yes	Automotive	DFN W-6
NCV8187AML180TAG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	1.2	1.5	5.5	0.2	0.03	75	15	Yes	Yes	Automotive	DFN W-6
NCV8187AMLE120TCG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	1.2	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	DFN W-8
NCV8187AMLE180TCG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	1.8	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	DFN W-8
NCV8187AMLE280TCG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	2.8	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	DFN W-8
NCV8187AMLE330TCG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	3.3	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	DFN W-8
NCV8187AMLEADJTCG	0.28	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	ADJ	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	DFN W-8
NCV8187AMN120TAG	0.2933	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	1.2	1.5	5.5	0.325	0.03	75	15	Yes	Yes	Automotive	DFN-6

NCV8187AMN180TAG	0.2933	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	1.2	1.5	5.5	0.2	0.03	75	15	Yes	Yes	Automotive	DFN-6
NCV8187AMT110TAG	0.3133	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.1	1.2	1.5	5.5	0.4	0.03	75	15	Yes	Yes	Automotive	WDF N-6
NCV8187AMT120TAG	0.3133	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	1.2	1.5	5.5	0.325	0.03	75	15	Yes	Yes	Automotive	WDF N-6
NCV8187AMT180TAG	0.3133	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	1.2	1.5	5.5	0.2	0.03	75	15	Yes	Yes	Automotive	WDF N-6
NCV8187AMT330TAG	0.3133	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	1.2	1.5	5.5	0.15	0.03	75	15	Yes	Yes	Automotive	WDF N-6
NCV8187AMTW080TAG	0.2267	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	0.8	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	WDF NW-6
NCV8187AMTW090TAG	0.2267	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	0.9	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	WDF NW-6
NCV8187AMTW110TAG	0.3333	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.1	1.2	1.5	5.5	0.4	0.03	75	15	Yes	Yes	Automotive	WDF NW-6
NCV8187AMTWADJTAG	0.2267	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	Positive	ADJ	1.2	1.5	5.5		0.03	75	15	Yes	Yes	Automotive	WDF NW-6

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