

製品概要

NCV8163: LDO レギュレータ、250 mA、超低ドロップアウト、超低 Iq、超高 PSRR、超低ノイズ

技術情報は、データシートをご参照ください。

NCV8163 は、250 mA の出力電流を供給できる LDO (低ドロップアウト・レギュレータ) です。RF/アナログ回路の要件を満たすよう設計された NCV8163 は、低ノイズ、高 PSRR、低静止電流で、負荷/活線過渡が非常に優れています。1 uF 入力 1 uF 出力のセラミック・キャパシタと連携する設計です。

特長

- Ultra Low Quiescent Current 12 uA
- Very Low Dropout 80mV@250mA
- Ultra High PSRR 92dB at 1 kHz
- Ultra High PSRR 60dB at 100 kHz

アプリケーション

- Automotive

利点

- Improved efficiency during light load conditions
- Low power dissipation at full load
- Excellent for noise sensitive device like Image Sensors
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最終製品

- ADAS
- Image Sensor
- Radar / Lidar

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	Power Good	Application	Package Type
NCV8163AMX120TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX150TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.5	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX180TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX250TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.5	0.25	2.2	5.5	0.11	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX270TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.7	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX280TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.8	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX300TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3	0.25	2.2	5.5	0.09	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163AMX330TBG	0.09	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.25	2.2	5.5	0.08	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163ASN120T1G	0.1564	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163ASN180T1G	0.1564	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	0.25	2.2	5.5	0.205	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163ASN250T1G		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview	Single	Positive	2.5	0.25	2.2	5.5	0.13	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5

NCV8163ASN270T1G	0.1564	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.7	0.25	2.2	5.5	0.12	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163ASN280T1G	0.1564	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.8	0.25	2.2	5.5	0.12	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163ASN300T1G	0.1564	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3	0.25	2.2	5.5	0.115	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163ASN330T1G	0.1564	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.25	2.2	5.5	0.105	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163ASN500T1G		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview	Single	Positive	5	0.25	2.2	5.5	0.1	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5
NCV8163BMX280TBG		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview	Single	Positive	2.8	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Automotive	XDF N-4
NCV8163BSN180T1G		AEC Qualified PPAP Capable Pb-free Halide free	Product Preview	Single	Positive	1.8	0.25	2.2	5.5	0.205	0.012	92	6.5	Yes	No	Automotive	TSO P-5 / SOT-23-5

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9/20/2021 作成