

製品概要

NCV8705: LDO Regulator, 500 mA, Low Dropout, Ultra-Low Iq, High PSRR, Ultra-Low Noise

技術情報は、データシートをご参照ください。

The NCV8705 is a low noise, low power consumption and low dropout Linear Voltage Regulator. With its excellent noise and PSRR specifications, the device is ideal for use in products utilizing RF receivers, imaging sensors, audio processors or any component requiring an extremely clean power supply. The NCV8705 uses an innovative Adaptive Ground Current circuit to ensure ultra low ground current during light load conditions.

特長

- Operating Input Voltage Range: 2.5 V to 5.5 V
- Ultra-Low Quiescent Current of Typ. 13 μ A
- Very Low Dropout: 230 mV Typical at 500 mA
- High PSRR: 71 dB at 1 kHz
- Available in Fixed Voltage Output Options: 0.8 V to 3.5 V
- Ultra-Low Noise: 12 μ Vrms from 100 Hz to 100 KHz
- AEC-Q100 Qualified and PPAP Capable
- Adjustable Operation from 0.8V

アプリケーション

- ADAS, Infotainment & Cluster, and Telematics
- General Purpose Automotive
- Building & Factory Automation, Smart Meters
- General Industrial

製品	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _{Min} (V)	V _{Max} (V)	V _{DO} Typ (V)	I _q Typ (mA)	PSR R (dB)	Noise (μV _{rms})	Enable	Power Good	Package Type
NCV8705ML33TCG	0.3067	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN W-8
NCV8705MT12TCG	0.4104	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	WDF N-6
NCV8705MT18TCG	0.4104	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	WDF N-6
NCV8705MT28TCG	0.4104	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.8	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	WDF N-6
NCV8705MT30TCG	0.4104	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	WDF N-6
NCV8705MT33TCG	0.4104	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3.3	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	WDF N-6
NCV8705MTADJTCG	0.2765	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	Adj	0.5	2.5	5.5		0.013	71	12	Yes	No	WDF N-6
NCV8705MW12TCG	0.3467	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.2	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN-8
NCV8705MW18TCG	0.3467	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	1.8	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN-8
NCV8705MW28TCG	0.3467	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	2.8	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN-8
NCV8705MW30TCG	0.3467	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	3	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN-8

NCV8705MW33TCG	0.3467	AEC Qualified	Active	Single	Positive	3.3	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN-8
		PPAP Capable														
		Pb-free														
		Halide free														
NCV8705MWADJTCG	0.3467	AEC Qualified	Active	Single	Positive	Adj	0.5	2.5	5.5	0.23	0.013	71	12	Yes	No	DFN-8
		PPAP Capable														
		Pb-free														
		Halide free														

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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