

製品概要

NCP163: LDOレギュレータ、250 mA、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。



NCP163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NCP163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 μ F入力1 μ F出力のセラミック・キャパシタと連携する設計です。2つの超薄型0.35P、0.65 mm x 0.65 mmチップ・スケール・パッケージ（CSP）、XDFN-4 0.65P、1 mm x 1 mm TSOP5パッケージで提供されます。

特長

- Ultra High PSRR 92dB at 1 kHz, 60dB at 100 kHz
- Ultra Low Output Noise 6.5 μ VRMS
- Ultra Low Quiescent current 12 μ A
- Operating Input Voltage Range 2.2V to 5.5V
- Very Low Dropout 80mV at 250mA
- Available in 0.64mm x 0.64 mm CSP4 0.35P and 1mm x 1mm XDFN4 0.65P Packages
- Available in TSOP5 Package

アプリケーション

- A/D and D/A Converters Power supply
- Audio codec
- Battery Powered Equipment
- Camera module
- Precision Analog Circuits

利点

- Excellent for power sensitive device like Wi-Fi module
- Very well suited for noise sensitive application
- Improved efficiency during light load conditions
- Suitable for battery powered device
- Low power dissipation at full load
- Great for space constraint application
- Suitable for applications requiring leaded package

最終製品

- Cameras and camcoders
- Smartphones
- Tablets
- Wireless Routers

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
NCP163AFCS120T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.2	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCS180T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCS260T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.6	0.25	2.2	5.5	0.11	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCS270T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.7	0.25	2.2	5.5	0.1	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCS280T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCS290T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.9	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT120T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.2	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT180T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT250T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	2.2	5.5	0.11	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT260T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.6	0.25	2.2	5.5	0.11	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT270T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.7	0.25	2.2	5.5	0.1	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT280T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT2925T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.925	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AFCT330T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	2.2	5.5	0.08	0.012	92	6.5	Yes	No	Consumer	WLCSP-4
NCP163AMX120TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.2	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Consumer	XDFN-4
NCP163AMX130TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.3	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Consumer	XDFN-4

NCP163AMX180TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX1825TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.825	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX270TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.7	0.25	2.2	5.5	0.1	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX280TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX290TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.9	0.25	2.2	5.5	0.9	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX300TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	2.2	5.5	0.09	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX330TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	2.2	5.5	0.08	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163AMX500TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	2.2	5.5	0.075	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163ASN150T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.5	0.25	2.2	5.5		0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN180T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN250T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	2.2	5.5	0.11	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN270T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.7	0.25	2.2	5.5	0.1	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN280T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	2.2	5.5	0.095	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN300T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	2.2	5.5	0.09	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN330T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	2.2	5.5	0.08	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163ASN500T1G	0.1433	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	2.2	5.5	0.075	0.012	92	6.5	Yes	No	Consumer	SOT- 23-5
NCP163BFCS180T2G	0.1113	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	WLC SP-4

NCP163BMX180TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163BMX1825TBG	0.1144	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.825	0.25	2.2	5.5	0.18	0.012	92	6.5	Yes	No	Consumer	XDF N-4
NCP163CFCS285T2G		Pb-free Halide free non AEC-Q and PPAP	NEW														WLC SP4, 0.64x 0.64x 0.40

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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