

製品概要

NCP160: 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。



NCP160 は、250 mA の出力電流を供給できるリニア・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 NCP160 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、0.64 mm x 0.64 mm チップ・スケール・パッケージ (CSP) と XDFN-4 0.65P、1 mm x 1 mm パッケージで提供されます。

特長

- Ultra High PSRR 98dB at 1kHz, 48dB at 100kHz
- Ultra Low Output Noise 10 μ VRMS
- Ultra Low Quiescent current 18 μ A
- Operating Input Voltage Range 1.9V to 5.5V
- Very Low Dropout 80mV at 250mA
- Available in CSP4 0.35P and XDFN4 0.65P packages

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 constrains application

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
NCP160AFCS180T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS250T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	1.9	5.5	0.11	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS270T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.7	0.25	1.9	5.5	0.1	0.018	90	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS280T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS285T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS2925T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.925	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS300T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS320T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.2	0.25	1.9	5.5	0.085	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS330T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS350T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS370T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.7	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS450T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	4.5	0.25	1.9	5.5	0.065	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS500T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS514T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5.14	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCS280T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT180T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	WLC SP-4

NCP160AFCT250T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	1.9	5.5	0.11	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT280T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT285T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT300T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT330T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT350T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT450T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	4.5	0.25	1.9	5.5	0.065	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT500T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCT514T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5.14	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCTC180T2G		Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AFCTC330T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160AMX180TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX1825TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.825	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX250TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	1.9	5.5	0.11	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX275TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.75	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX280TBG	0.0704	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX285TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4

NCP160AMX290TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.9	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX300TBG	0.0716	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX310TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.1	0.25	1.9	5.5	0.087	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX320TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.2	0.25	1.9	5.5	0.085	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX330TBG	0.0728	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX350TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX450TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	4.5	0.25	1.9	5.5	0.065	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX500TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160AMX514TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5.14	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BFCS180T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS250T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	1.9	5.5	0.11	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS280T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS285T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS2925T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.925	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS300T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS330T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS350T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	WLC SP-4

NCP160BFCS450T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	4.5	0.25	1.9	5.5	0.065	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS500T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCS514T2G	0.0697	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5.14	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT180T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT210T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.1	0.25	1.9	5.5	0.15	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT250T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	1.9	5.5	0.11	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT280T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT285T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT300T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT330T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT350T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT450T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	4.5	0.25	1.9	5.5	0.065	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT500T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BFCT514T2G	0.07	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5.14	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	WLC SP-4
NCP160BMX180TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX1825TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.825	0.25	1.9	5.5	0.18	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX250TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.25	1.9	5.5	0.11	0.018	98	10	Yes	No	Consumer	XDF N-4

NCP160BMX275TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.75	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX280TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX285TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.25	1.9	5.5	0.095	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX300TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.25	1.9	5.5	0.09	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX330TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.25	1.9	5.5	0.08	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX350TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.5	0.25	1.9	5.5	0.075	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX450TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	4.5	0.25	1.9	5.5	0.065	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX500TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	XDF N-4
NCP160BMX514TBG	0.0729	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	5.14	0.25	1.9	5.5	0.06	0.018	98	10	Yes	No	Consumer	XDF N-4

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