

製品概要

NCP170: LDO レギュレータ、150 mA、超低 Iq

技術情報は、データシートをご参照ください。

NCP170 シリーズの CMOS 低ドロップ・レギュレータは、超低静止電流が要求されるポータブルなバッテリー駆動のアプリケーションに特化して設計されています。標準 500 nA の超低消費でバッテリー寿命が長くなり、動的過渡ブースト機能により無線通信アプリケーションの過渡応答が向上します。小型 1 × 1 mm xDFN4、TSOP5、SOT-563 パッケージで提供されます。

特長

- Ultra Low Quiescent current 500nA
- Very Low Dropout, 170mV at 150mA
- Adaptive ground current proportional to load current
- Wide Input Voltage Range 2.2V to 5.5V
- Small packages 1x1 mm XDFN4, SOT-563 and TSOP-5
- Factory trimmed High output Voltage Accuracy +/- 1%

アプリケーション

- Long life Battery Powered applications
- Portable Communication Equipment
- Sensor Node for IoT
- Wearable devices
- Energy Harvesting

利点

- Improved battery life
- Low power dissipation at full load
- Improved battery life
- Suitable for battery powered applications
- Reduced area for space constraint applications
- Improved end product performance

最終製品

- NB-IoT Module
- Cameras
- Wireless Sensor nodes
- Smoke detectors
- Smart Watch

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 _{o Typ} (mA)	PSR R (dB)	Noise (μV _{rms})	Enable	PowerGood	Application	Package Type
NCP170AMX120TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.2	0.15	2.2	5.5		0.0005	57	85	Yes	No	Consumer	XDFN-4
NCP170AMX135TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.35	0.15	2.2	5.5		0.0005	57	85	Yes	No	Consumer	XDFN-4
NCP170AMX150TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.5	0.15	2.2	5.5		0.0005	57	90	Yes	No	Consumer	XDFN-4
NCP170AMX180TBG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.15	2.2	5.5	0.35	0.0005	57	95	Yes	No	Consumer	XDFN-4
NCP170AMX180TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.15	2.2	5.5	0.35	0.0005	57	95	Yes	No	Consumer	XDFN-4
NCP170AMX250TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.15	2.2	5.5	0.24	0.0005	57	125	Yes	No	Consumer	XDFN-4
NCP170AMX280TBG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.15	2.2	5.5	0.21	0.0005	40	125	Yes	No	Consumer	XDFN-4
NCP170AMX280TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.15	2.2	5.5	0.21	0.0005	40	125	Yes	No	Consumer	XDFN-4
NCP170AMX300TBG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.15	2.2	5.5	0.19	0.0005	47	125	Yes	No	Consumer	XDFN-4
NCP170AMX300TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.15	2.2	5.5	0.19	0.0005	47	120	Yes	No	Consumer	XDFN-4
NCP170AMX330TBG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.15	2.2	5.5	0.18	0.0005	41	125	Yes	No	Consumer	XDFN-4
NCP170AMX330TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.15	2.2	5.5	0.18	0.0005	41	125	Yes	No	Consumer	XDFN-4
NCP170AMX360TCG	0.1012	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.6	0.15	2.2	5.5	0.17	0.0005	38	130	Yes	No	Consumer	XDFN-4
NCP170ASN120T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.2	0.15	2.2	5.5		0.0005	57	85	Yes	No	Consumer	TSO P-5 / SOT-23-5
NCP170ASN150T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.5	0.15	2.2	5.5		0.0005			Yes	No	Consumer	TSO P-5 / SOT-23-5
NCP170ASN180T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.15	2.2	5.5	0.35	0.0005	57	95	Yes	No	Consumer	TSO P-5 / SOT-23-5

NCP170ASN250T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.15	2.2	5.5	0.24	0.0005	57	125	Yes	No	Consumer	TSO P-5 / SOT- 23-5
NCP170ASN280T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.15	2.2	5.5	0.21	0.0005	40	125	Yes	No	Consumer	TSO P-5 / SOT- 23-5
NCP170ASN300T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.15	2.2	5.5	0.19	0.0005	47	120	Yes	No	Consumer	TSO P-5 / SOT- 23-5
NCP170ASN330T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.15	2.2	5.5	0.18	0.0005	41	125	Yes	No	Consumer	TSO P-5 / SOT- 23-5
NCP170AXV135T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.35	0.15	2.2	5.5		0.0005	57	85	Yes	No	Consumer	SOT 563- 6
NCP170AXV180T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.15	2.2	5.5	0.35	0.0005	57	95	Yes	No	Consumer	SOT 563- 6
NCP170AXV190T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.9	0.15	2.2	5.5	0.34	0.0005	57	95	Yes	No	Consumer	SOT 563- 6
NCP170AXV210T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.1	0.15	2.2	5.5	0.27	0.0005	57	105	Yes	No	Consumer	SOT 563- 6
NCP170AXV300T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.15	2.2	5.5	0.19	0.0005	47	120	Yes	No	Consumer	SOT 563- 6
NCP170AXV330T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.15	2.2	5.5	0.18	0.0005	41	125	Yes	No	Consumer	SOT 563- 6
NCP170AXV360T2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.6	0.15	2.2	5.5	0.17	0.0005	30	130	Yes	No	Consumer	SOT 563- 6
NCP170BMX135TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.35	0.15	2.2	5.5		0.0005	57	57	Yes	No	Consumer	XDF N-4
NCP170BMX150TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.5	0.15	2.2	5.5		0.0005	57	90	Yes	No	Consumer	XDF N-4
NCP170BMX180TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.8	0.15	2.2	5.5	0.35	0.0005	57	95	Yes	No	Consumer	XDF N-4
NCP170BMX190TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.9	0.15	2.2	5.5	0.34	0.0005	57	95	Yes	No	Consumer	XDF N-4
NCP170BMX250TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.15	2.2	5.5	0.24	0.0005	57	125	Yes	No	Consumer	XDF N-4
NCP170BMX280TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.8	0.15	2.2	5.5	0.21	0.0005	40	125	Yes	No	Consumer	XDF N-4

NCP170BMX285TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.85	0.15	2.2	5.5	0.21	0.0005	40	125	Yes	No	Consumer	XDF N-4
NCP170BMX310TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.1	0.15	2.2	5.5	0.19	0.0005	47	120	Yes	No	Consumer	XDF N-4
NCP170BMX330TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.3	0.15	2.2	5.5	0.18	0.0005	41	125	Yes	No	Consumer	XDF N-4
NCP170BMX360TCG	0.1349	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3.6	0.15	2.2	5.5	0.17	0.0005	38	130	Yes	No	Consumer	XDF N-4
NCP170BXV120T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.2	0.15	2.2	5.5		0.0005	57	85	Yes	No	Consumer	SOT 563-6
NCP170BXV135T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.35	0.15	2.2	5.5		0.0005	57	85	Yes	No	Consumer	SOT 563-6
NCP170BXV150T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	1.5	0.15	2.2	5.5		0.0005	57	90	Yes	No	Consumer	SOT 563-6
NCP170BXV250T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	2.5	0.15	2.2	5.5	0.24	0.0005	57	125	Yes	No	Consumer	SOT 563-6
NCP170BXV300T2G	0.1075	Pb-free Halide free non AEC-Q and PPAP	Active	Single	Positive	3	0.15	2.2	5.5	0.19	0.0005	47	120	Yes	No	Consumer	SOT 563-6

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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