

NCV1117

1 A PSRR

NCP1117 (LDO) 1.0 A 800 mA 1.2 V 1.5 V 1.8 V 2.0 V 2.5 V 2.85 V 3.3 V 5.0 V 12 V 1.25 V 18.8 V / +/- 1.0% NCP1117 20 V SOT223 DPAK

- Output Current in Excess of 1.0 A
 - 1.2 V Maximum Dropout Voltage at 800 mA Over Temperature
 - Fixed Output Voltages of 1.5 V, 1.8 V, 2.0 V, 2.5 V, 2.85 V, 3.3 V, 5.0 V, and 12 V
 - Adjustable Output Voltage Option
 - No Minimum Load Requirement for Fixed Voltage Output Devices
 - Reference/Output Voltage Trimmed to +/- 1.0%
 - Current Limit, Safe Operating and Thermal Shutdown Protection
 - Operation to 20 V Input
 - Pb-Free Packages are Available
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- Consumer and Industrial Equipment Point of Regulation
 - Active SCSI Termination for 2.85 V Version
 - Switching Power Supply Post Regulation
 - Hard Drive Controllers
 - Battery Chargers

	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)	PSRR (dB)	Noise (μV _r ms)	Enable	PowerGood	Application	Package Type
NCV1117DT12RKG	0.288		Active	Single	Positive	12	1	2.4	20	1.07	6	54	360	No	No	Automotive	DPAK-3
NCV1117DT15RKG	0.288		Active	Single	Positive	1.5	1	2.4	20	1.07	3.6	72	45	No	No	Automotive	DPAK-3
NCV1117DT18RKG	0.2363		Active	Single	Positive	1.8	1	2.4	20	1.07	4.2	70	54	No	No	Automotive	DPAK-3
NCV1117DT18T5G	0.2677		Active	Single	Positive	1.8	1	2.4	20	1.07	4.2	70	54	No	No	Automotive	DPAK-3
NCV1117DT33T5G	0.2484		Active	Single	Positive	3.3	1	2.4	20	1.07	6	64	99	No	No	Automotive	DPAK-3
NCV1117DT50RKG	0.2629		Active	Single	Positive	5	1	2.4	20	1.07	6	61	150	No	No	Automotive	DPAK-3
NCV1117DTARKG	0.2703		Active	Single	Positive	Adj	1	2.4	20	1.07		73		No	No	Automotive	DPAK-3
NCV1117ST12T3G	0.2635		Active	Single	Positive	12	1	2.4	20	1.07	6	54	360	No	No	Automotive	SOT-223-4 / TO-261-4
NCV1117ST18T3G	0.2567		Active	Single	Positive	1.8	1	2.4	20	1.07	4.2	70	54	No	No	Automotive	SOT-223-4 / TO-261-4
NCV1117ST20T3G	0.372		Active	Single	Positive	2	1	2.4	20	1.07	4.5	70	60	No	No	Automotive	SOT-223-4 / TO-261-4
NCV1117ST25T3G	0.2291		Active	Single	Positive	2.5	1	2.4	20	1.07	5.2	68	75	No	No	Automotive	SOT-223-4 / TO-261-4
NCV1117ST33T3G	0.2293		Active	Single	Positive	3.3	1	2.4	20	1.07	6	64	99	No	No	Automotive	SOT-223-4 / TO-261-4
NCV1117ST50T3G	0.2389		Active	Single	Positive	5	1	2.4	20	1.07	6	61	150	No	No	Automotive	SOT-223-4 / TO-261-4D
NCV1117STAT3G	0.2501		Active	Single	Positive	Adj	1	2.4	20	1.07		73		No	No	Automotive	SOT-223-4 / TO-261-4