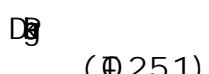
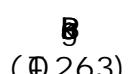
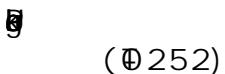




JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

1A LOW DROPOUT LINEAR REGULATOR

PIN CONFIGURATIONS





JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

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FUNCTIONAL BLOCK DIAGRAM

0.0117

JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

1A LOW DROPOUT LINEAR REGULATOR

ORDERING INFORMATION

Package	Temperature Range	Part Number
		117 - A
		117 - 1. 5
		117 - 1. 8
		117 - 2. 5
		117 - 3. 3
SS223	0 to 25 /	



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1A LOW DROPOUT LINEAR REGULATOR

ELECTRICAL CHARACTERISTICS

I_D = 10mA, T = 25°C

Parameter	Conditions	Min	Typ	Max	Unit
IC117 - A	I _D = 10mA, I _Q = 1mA, V _N - V _D = 2V, P = 1W	1.238 1.225	1.250 1.250	1.262 1.270	V
	IC117 - 1. 5, I _D = 10mA, V _N = 3.5V	1.48	1.5	1.515	V
	IC117 - 1. 5, I _D = 10mA, V _N = 10V	1.470	1.5	1.530	V
	IC117 - 1. 8, I _D = 10mA, V _N = 3.8V	1.78	1.8	1.88	V
	IC117 - 1. 8, I _D = 10mA, V _N = 10V	1.746	1.8	1.84	V
	IC117 - 2. 5, I _D = 10mA, V _N = 4.5V	2.475	2.5	2.525	V
	IC117 - 2. 5, I _D = 10mA, V _N = 10V	2.450	2.5	2.550	V
	IC117 - 3. 3, I _D = 10mA, V _N = 5.0V	3.267	3.3	3.333	V
	IC117 - 3. 3, I _D = 10mA, V _N = 10V	3.235	3.3	3.365	V
	IC117 - 5. 0, I _D = 10mA, V _N = 7.0V	4.90	5.0	5.050	V
	IC117 - 5. 0, I _D = 10mA, V _N = 12V	4.90	5.0	5.100	V
	IC117 - A, I _D = 10mA, V _N - V _D = 10V		0.035	0.2	%
	IC117 - 1. 5, I _D = 10mA, V _N - V _D = 10V		1	6	mA
	IC117 - 1. 8, I _D = 10mA, V _N - V _D = 10V		1	6	mA
	IC117 - 2. 5, I _D = 10mA, V _N - V _D = 10V		1	6	mA
	IC117 - 3. 3, I _D = 10mA, V _N - V _D = 10V		1	6	mA
	IC117 - 5. 0, I _D = 10mA, V _N - V _D = 10V		1	6	mA
	IC117 - A, V _N - V _D = 2V, I _D = 1A		0.2	0.4	%
	IC117 - 1. 5, V _N - V _D = 2V, I _D = 1A		1	10	mA
	IC117 - 1. 8, V _N - V _D = 2V, I _D = 1A		1	10	mA
	IC117 - 2. 5, V _N - V _D = 2V, I _D = 1A		1	10	mA
	IC117 - 3. 3, V _N - V _D = 2V, I _D = 1A		1	10	mA
	IC117 - 5. 0, V _N - V _D = 2V, I _D = 1A		1	15	mA

1A LOW DROPOUT LINEAR REGULATOR

ELECTRICAL CHARACTERISTICS (CONTINUED)

I_N = 10mA, T = 25°C, V_D = 5V

Parameter	Conditions	Min	Typ	Max	Unit
I _D	V _R = 1%, I _D = 0.1A		1.00	1.1	V
	V _R = 1%, I _D = 0.5A		1.08	1.18	V
	V _R = 1%, I _D = 1.0A		1.15	1.25	V
I _D (V)	V _N = 5V, 2V	1.25	1.35		A
I _D		60	120	1A	
I _D (1.4V)	V _N - V _D = 10V, 10mA, I _D = 1A		0.2	5	μA
I _D (1.5V)	V _N - V _D = 10V, 10mA	1.7	5	10	mA
I _D (V)	V _N = 5V, +1.25V		5	10	mA
I _D (20Hz)	V _N = 5V, 2.2V, 3.3V, 5A	60	75		mA
%			0.5		%
%	25°C, 1000h		0.3		%
% (V _D)	25°C, 10Hz, f = 10Hz		0.003		%



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Typical Characteristics

CJ1117



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Typical Applications