







1A LOW DROPOUT LINEAR REGULATOR


PIN CONFIGURATIONS



(D223)


(D22)


(D220)


(D252)


(D263)


(D251)



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

1A LOW DROPOUT LINEAR REGULATOR

FUNCTIONAL BLOCK DIAGRAM

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ORDERING INFORMATION

Package	Temperature Range	Part Number
D223	0025 /	D117-D
		D117-1.5
		D117-1.8
		D117-2.5
		D117-3.3

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ELECTRICAL CHARACTERISTICS (CONTINUED)

$V_N = 10V, I_D \geq 5mA$

Parameter	Conditions	Min	Typ	Max	Unit
V_{R1}	$V_R \pm 1\%, I_D \leq 1A$		1.00	1.1	V
	$V_R \pm 1\%, I_D \leq 5A$		1.08	1.18	V
	$V_R \pm 1\%, I_D \leq 10A$		1.15	1.25	V
V_{N1}	$V_N - V_D \geq 2V$	1.25	1.35		A
β		60	120		A
$V_{N1} = 1.4V$	$V_N - V_D = 10V, I_D = 1A$		0.2	5	μA
$V_{N1} = 1.5V$	$V_N - V_D = 10V$	1.7	5		μA
$V_{N1} = 1.25V$	$V_N - V_D = 1.25V$		5	10	μA
$\beta_{20^\circ C}$	$V_N - V_D \geq 2V, I_D \leq 1A$	60	75		β
η			0.5		%
$\eta_{25^\circ C}$	$f = 1000Hz$		0.3		%
$\eta_{10^\circ C}$	$f = 10kHz$		0.003		%



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Typical Characteristics

CJ1117



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Typical Applications