78L09

Three-terminal positive voltage regulator

FEATURES

Maximum output current IOM: 0.1A
Output voltage VO: 9V

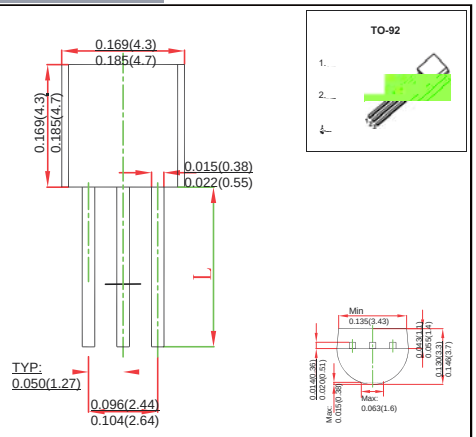
Continuous total dissipation

PD: 0.625W (T a = 25 ℃)

MECHANICAL DATA

- Case: TO-92 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any

TO-92



ABSOLUTE MAXIMUM RATINGS

(Operating temperature range applies unless otherw ise specified)

Parameter	ym	a e	t
[illegible]	[illegible]	30	V
[illegible] from J [illegible] to Ambient	[illegible]	160	℃/
[illegible]	[illegible]	-25~+125	℃
[illegible]	T_{STG}	-65~+150	℃

ELECTRICAL CHARACTERISTICS AT SPECIFIED VIRTUAL JINCTION TEMPERATURE
(V i=16V,Io=40mA,Ci=0.33εF,Co=0.1εF, unless otherwise specified)

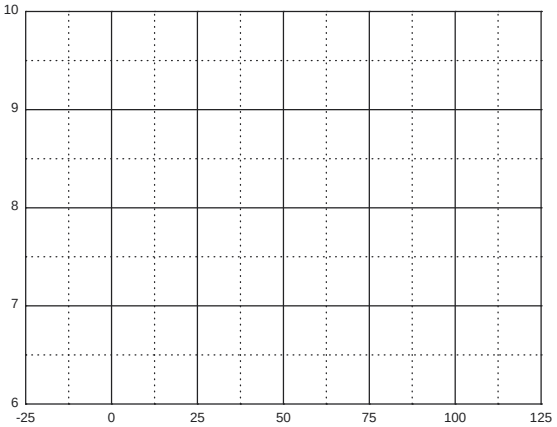
Pa rameter	ym	e t t			y	a	t
[illegible]	[illegible]	[illegible]	25℃	.64	.0	.46	[illegible]
		12 [illegible] 24 [illegible] 1 -40	[illegible]-125℃	.55	.0	.45	[illegible]
		[illegible] 1 -70		.55	.0	.45	[illegible]
[illegible]	△[illegible]	[illegible] 1 -100	25℃		1	0	[illegible]
		[illegible] 1 -40	25℃		11	40	[illegible]
[illegible]	△[illegible]	12 [illegible] 24	25℃		45	175	[illegible]
		1[illegible] [illegible] 24	25℃		40	125	[illegible]
[illegible]	[illegible]	[illegible]	25℃		4.1	6.0	[illegible]
[illegible]	△	1[illegible] [illegible] 24	[illegible]-125℃			1.5	[illegible]
	△	1 [illegible] 40	[illegible]-125℃			0.1	[illegible]
[illegible]	[illegible]	10 [illegible] 100 [illegible]	25℃		5		7[illegible]
			[illegible]-125℃				

* Pulse test.

7_ 0

2 0

0.1


10
9
8
7
6
-25
0
25
50
75
100
125