



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

TO-92 Encapsulate Three-terminal voltage regulator

CJ79L09 Three-terminal negative voltage regulator

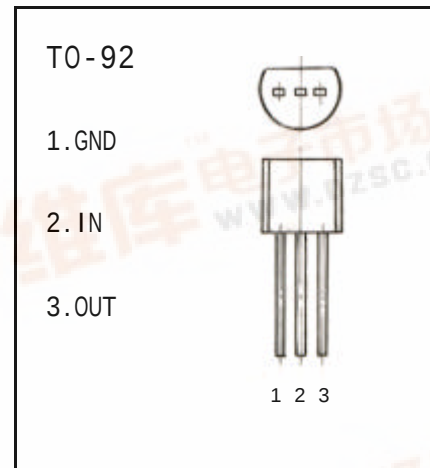
FEATURES

Maximum Output current

I_{OM} : 0.1 A

Output voltage

V_O : -9 V



ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)

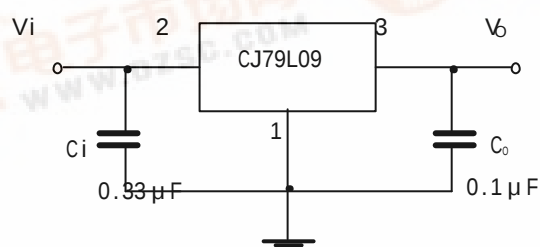
Parameter	Symbol	Value	Units
Input Voltage	V_i	-30	V
Operating Junction Temperature Range	T_{OPR}	0—+125	
Storage Temperature Range	T_{STG}	-55—+150	

ELECTRICAL CHARACTERISTICS

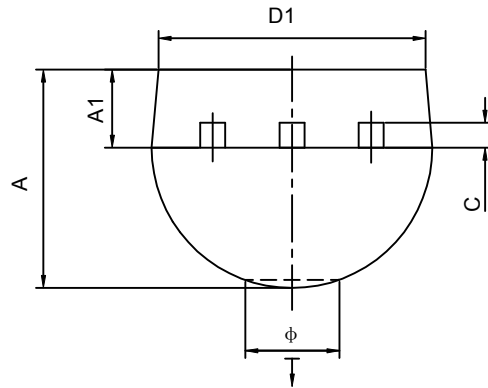
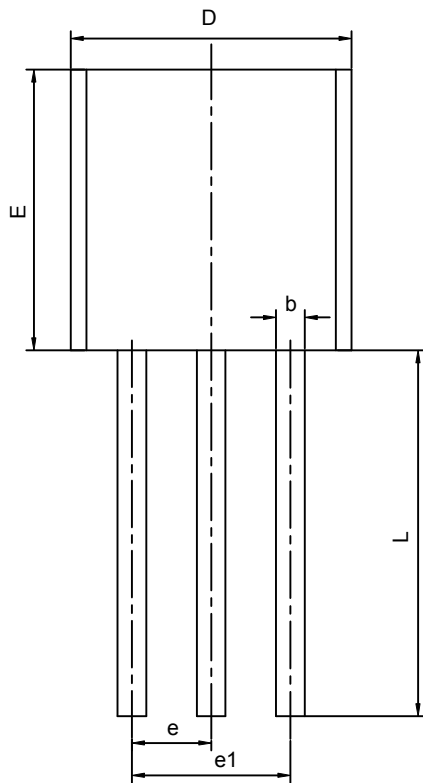
(V_i =-15V, I_o =40mA, 0 < T_j < 125 °C, C_1 =0.33 μ F, C_o =0.1 μ F, unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	V_O	V_{IN} =-15V, I_o =40mA	-8.64	-9.0	-9.36	V
Line Regulation	$V_O - V_{IN}$	V_{IN} =-12.5~-24V, I_o =40mA		27	200	mV
Load Regulation	$V_O - I_o$	V_{IN} =-15V, I_o =1~100mA		12	90	mV
Quiescent Current	I_Q	V_{IN} =-15V, I_o =40mA		3.5	6.0	mA
Ripple Rejection	RR	V_{IN} =-12V~-22V, I_o =40mA, e_{IN} =1V _{P-P} , f =150Hz	37	64		dB
Output Noise Voltage	V_{NO}	V_{IN} =-15V, BW=10Hz~100KH, I_o =40mA		210		μ V

TYPICAL APPLICATION



TO-92 PACKAGE OUTLINE DIMENSIONS



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	3.300	3.700	0.130	0.146
A1	1.100	1.400	0.043	0.055
b	0.380	0.550	0.015	0.022
c	0.360	0.510	0.014	0.020
D	4.400	4.700	0.173	0.185
D1	3.430		0.135	
E	4.300	4.700	0.169	0.185
e	1.270TYP		0.050TYP	
e1	2.440	2.640	0.096	0.104
L	14.100	14.500	0.555	0.571
Ö		1.600		0.063
↓	0.000	0.380	0.000	0.015