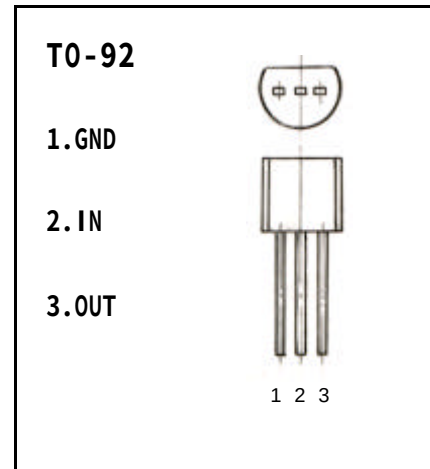


**TO-92 Encapsulate Three-terminal voltage regulator****CJ79L09** Three-terminal negative voltage regulator**FEATURES**

Maximum Output current

 I_{OM} : 0.1 A

Output voltage

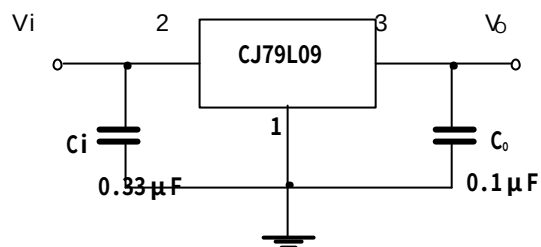
 V_O : -9 V**ABSOLUTE MAXIMUM RATINGS** (Operating temperature range applies unless otherwise specified)

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

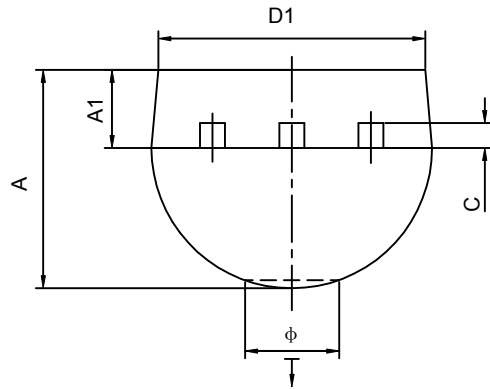
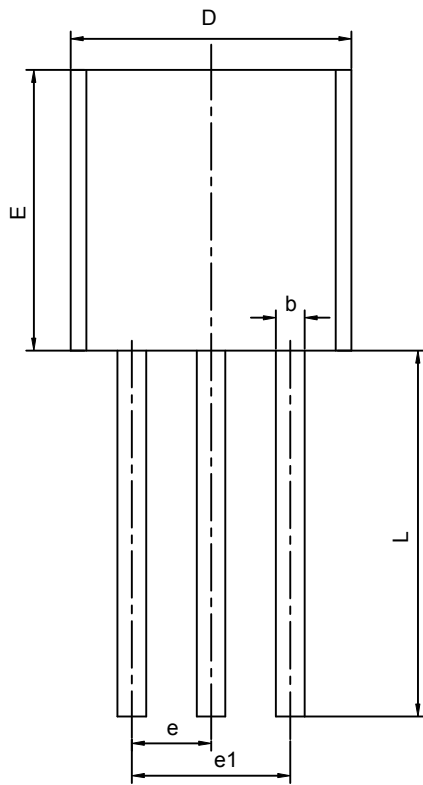
ELECTRICAL CHARACTERISTICS

(Vi=-15V, Io=40mA, 0°C<Tj<125°C, C1=0.33 μF, Co=0.1 μF, 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}	$V_{IN}=-12.5\sim-24V, I_O=40mA$		27	200	mV
Load Regulation	V_O-I_O	$V_{IN}=-15V, I_O=1\sim100mA$		12	90	mV
Quiescent Current	I_Q	$V_{IN}=-15V, I_O=40mA$		3.5	6.0	mA
Ripple Rejection	RR	$V_{IN}=-12V\sim-22V, I_O=40mA, e_{IN}=1V_{P-P}, f=150Hz$	37	64		dB
Output Noise Voltage	V_{NO}	$V_{IN}=-15V, BW=10Hz\sim100KH, I_O=40mA$		210		μV

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