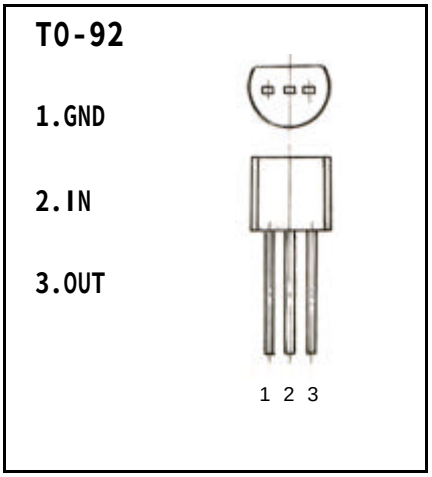
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

TO-92 Encapsulate Three-terminal voltage regulator

CJ79L06 Three-terminal negative voltage regulator



FEATURES

Maximum Output current

$I_{OM:}$ 0.1 A

Output voltage

V_o: -6 V

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

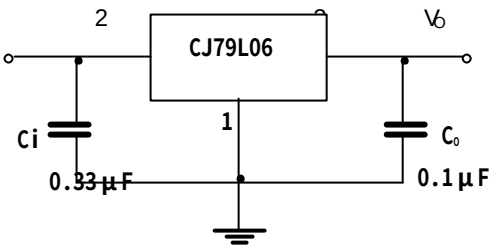
Parameter	Symbol	Value	Unlts
Input Voltage	V_i	-30	V
Operating Junction Temperature Range	T_{OPR}	0-+150	℃
Storage Temperature Range	T_{STG}	-55-+150	℃

ELECTRICAL CHARACTERISTICS

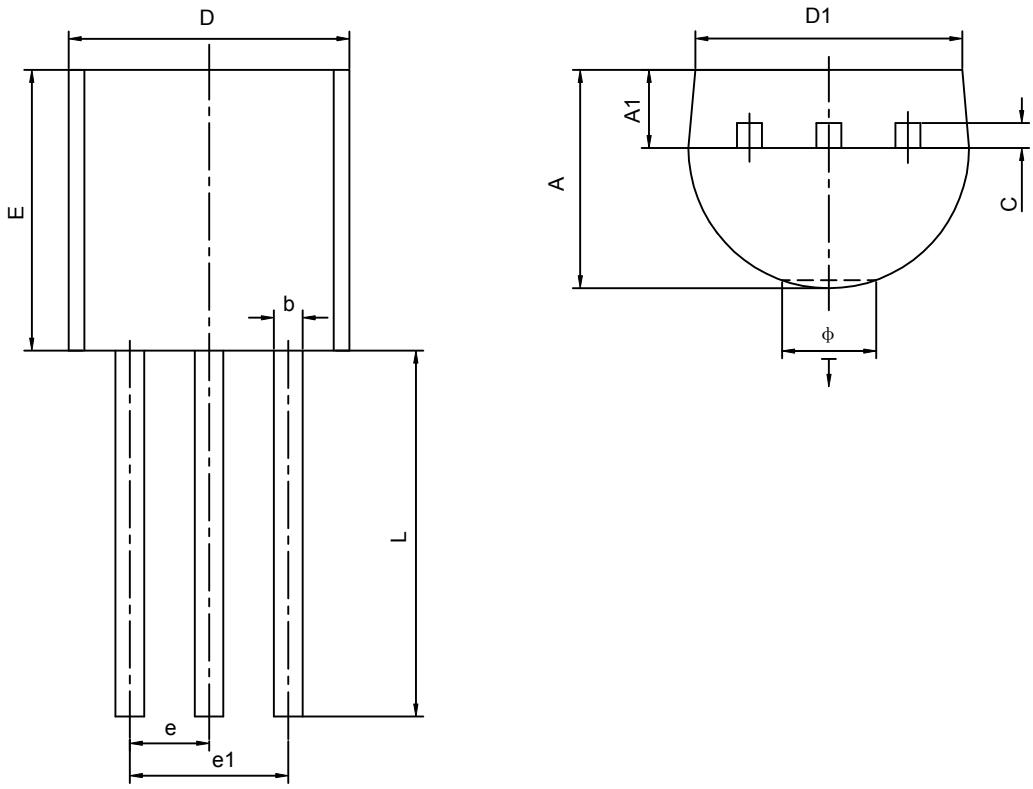
(Vi=-12V,Io=40mA,0℃<Tj<125℃,C1=0.33μF,Co=0.1μF, unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	Vo	V_{IN}=-12V,I_O=40mA	-5.75	-6.0	-6.25	V
Line Regulation	Vo-V_{IN}	V_{IN}=-8.5~-20V, Io=40mA		20	175	mV
Load Regulation	Vo-I_O	V_{IN}=-12V, I_O=1~100mA		21	80	mV
Quiescent Current	I_Q	V_{IN}=-12V, I_O=40mA			6.0	mA
Ripple Rejection	RR	V_{IN}=-9V~ -19V,Io=40mA, e_{iN}=1V_{P-P}, f =120Hz	40	48		dB
Output Noise Voltage	V_{NO}	V_{IN}=-12V, f=10Hz~100KH,Io=40mA		44		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