



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

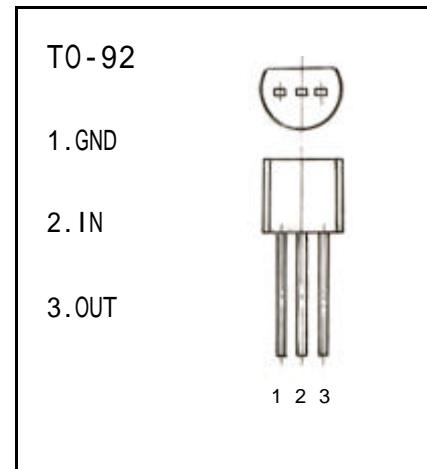
TO-92 Encapsulate Three-terminal voltage regulator

CJ79L12 Three-terminal negative voltage regulator**FEATURES**

Maximum Output current

 I_{OM} : 0.1 A

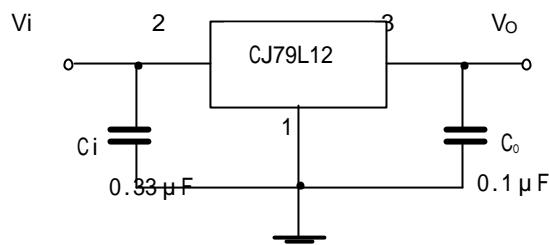
Output voltage

 V_o : -12 V**ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)**

Parameter	Symbol	Value	Units
Input Voltage	V_i	-35	V
Operating Junction Temperature Range	T_{OPR}	0—+125	
Storage Temperature Range	T_{STG}	-55—+150	

ELECTRICAL CHARACTERISTICS($V_i=-19V, I_o=40mA, 0 < T_j < 125^\circ C, C_1=0.33 \mu F, C_0=0.1 \mu F$, unless otherwise specified)

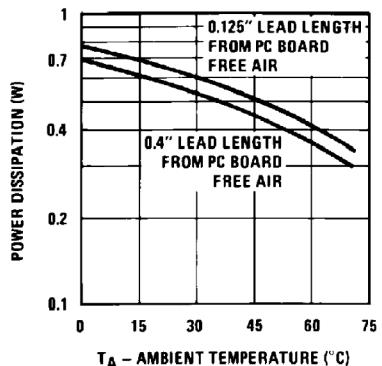
Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	V_o	$V_{IN}=-19V, I_o=40mA$	-11.5	-12.0	-12.5	V
Line Regulation	$V_o - V_{IN}$	$V_{IN}=-14.5 \sim -27V, I_o=40mA$		50	250	mV
Load Regulation	$V_o - I_o$	$V_{IN}=-19V, I_o=1 \sim 100mA$		24	100	mV
Quiescent Current	I_Q	$V_{IN}=-19V, I_o=40mA$		3.5	6.5	mA
Ripple Rejection	RR	$V_{IN}=-15V \sim -25V, I_o=40mA, e_{IN}=1V_{P-P}, f=120Hz$	37	42		dB
Output Noise Voltage	V_{NO}	$V_{IN}=-19V, f=10Hz \sim 100kHz, I_o=40mA$		80		μV

TYPICAL APPLICATION

Typical Characteristics

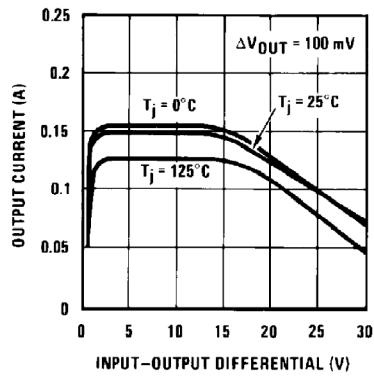
CJ79L12

Maximum Average Power Dissipation (TO-92)



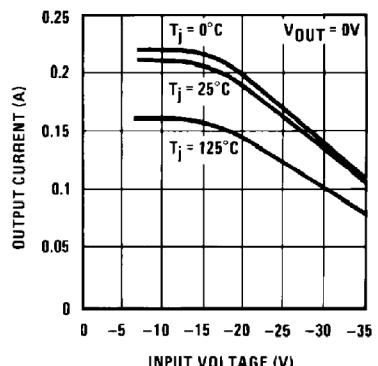
DS007748-11

Peak Output Current



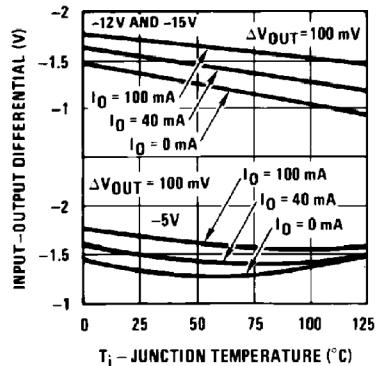
DS007748-12

Short Circuit Output Current



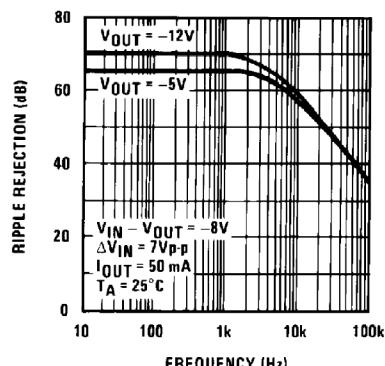
DS007748-13

Dropout Voltage



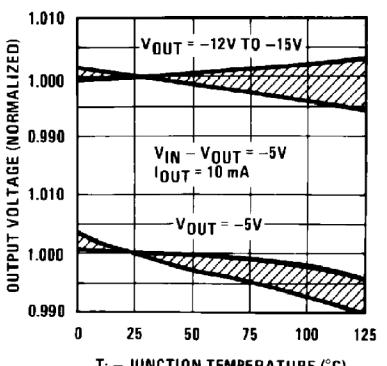
DS007748-14

Ripple Rejection



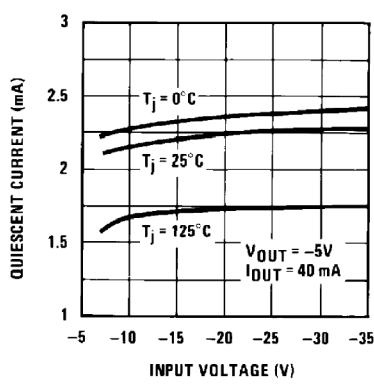
DS007748-15

Output Voltage vs. Temperature (Normalized to 1V @ 25°C)



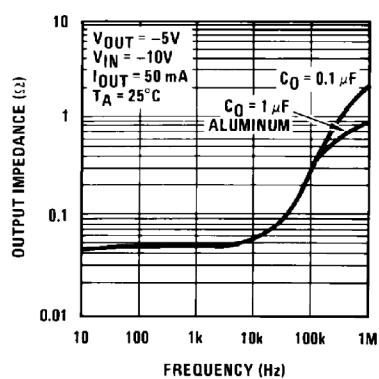
DS007748-16

Quiescent Current



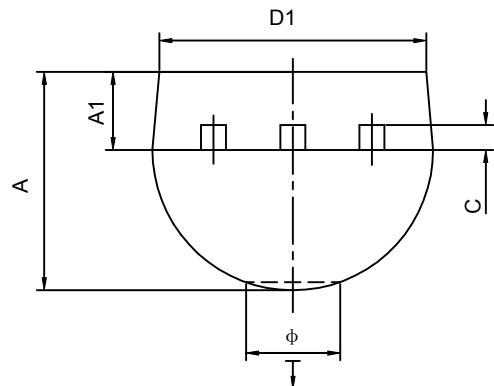
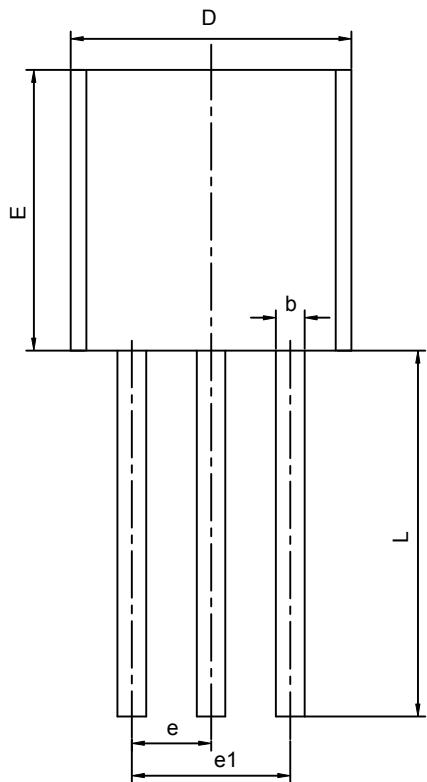
DS007748-17

Output Impedance



DS007748-18

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