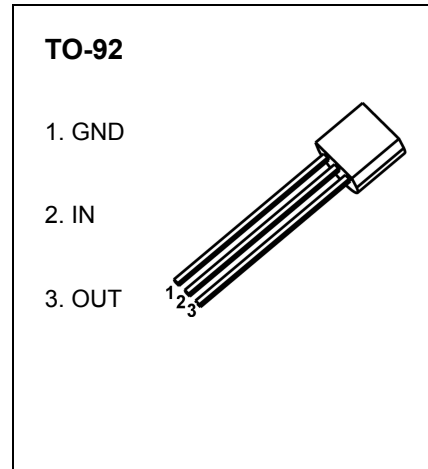


TO-92 Encapsulate Three-terminal voltage regulators

CJ79L12 Three-terminal negative voltage regulator

FEATURES

- Maximum output current
I_{OM}: 0.1 A
- Output voltage
V_o: -12 V
- Continuous total dissipation
P_D: 0.625 W



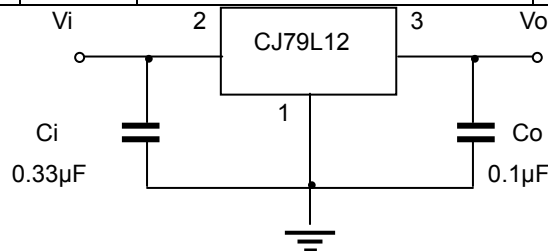
ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)

Parameter	Symbol	Value	Unit
Input Voltage	V _I	-35	V
Operating Junction Temperature Range	T _{OPR}	0~+150	°C
Storage Temperature Range	T _{STG}	-55~+150	°C

ELECTRICAL CHARACTERISTICS AT SPECIFIED VIRTUAL JUNCTION TEMPERATURE (V_i=19V, I_o=40mA, C_i=0.33μF, C_o=0.1μF, unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit	
Output Voltage	V _o	25°C	-11.5	-12	-12.5	V	
		-14.5V ≤ V _i ≤ -27V, I _o =1mA~40mA	0-125°C	-11.4	-12	-12.6	V
		I _o =1mA~70mA		-11.4	-12	-12.6	V
Load Regulation	ΔV _o	I _o =1mA~100mA	25°C	24	100	mV	
		I _o =1mA~40mA	25°C	15	50	mV	
Line Regulation	ΔV _o	-14.5V ≤ V _i ≤ -27V	25°C	50	250	mV	
		-16V ≤ V _i ≤ -27V	25°C	40	200	mV	
Quiescent Current	I _q	25°C			6.5	mA	
Quiescent Current Change	ΔI _q	-16V ≤ V _i ≤ -27V	0-125°C		1.5	mA	
	ΔI _q	1mA ≤ I _o ≤ 40mA	0-125°C		0.1	mA	
Output Noise Voltage	V _N	10Hz ≤ f ≤ 100KHz	25°C	80		μV	
Ripple Rejection	RR	-15V ≤ V _i ≤ -25V, f=120Hz	0-125°C	37	42	dB	
Dropout Voltage	V _d	25°C		1.7		V	

TYPICAL APPLICATION



Note: Bypass capacitors are recommended for optimum stability and transient response and should be located as close as possible to the regulators.