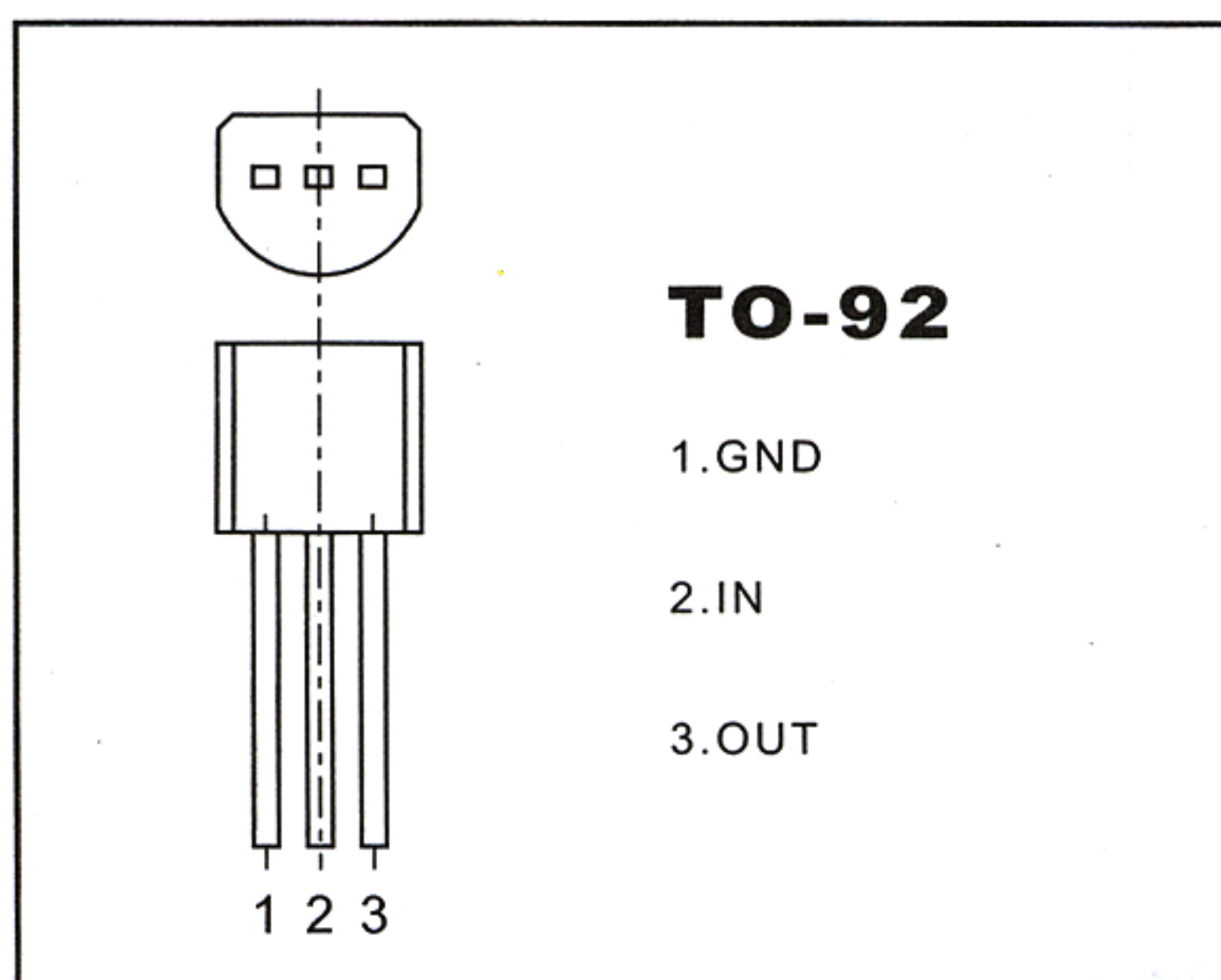


CJ79L09 Three-terminal negative voltage regulator



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}	-30~+75	°C
Storage temperature range	T_{stg}	-40~+125	°C

ELECTRICAL CHARACTERISTICS

(V_i =-15V, I_o =40mA, $0^\circ\text{C}<T_j<125^\circ\text{C}$, 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_i =-15V, I_o =40mA	-8.64	-9.0	-9.36	V
Line regulation	V_o-V_i	V_i =-12.5~-24V, I_o =40mA		27	200	mV
Load regulation	V_o-I_o	V_i =-15V, I_o =1~100mA		12	90	mV
Quiescent current	I_q	V_i =-15V, I_o =40mA		3.5	6.0	mA
Ripple rejection	RR	V_i =-12V~-22V, I_o =40mA, e_{IN} =1V _{P-P} , f =150Hz	37	64		dB
Output noise voltage	V_N	V_i =-15V, BW=10Hz~100KH, I_o =40mA		210		μ V

TYPICAL APPLICATION

