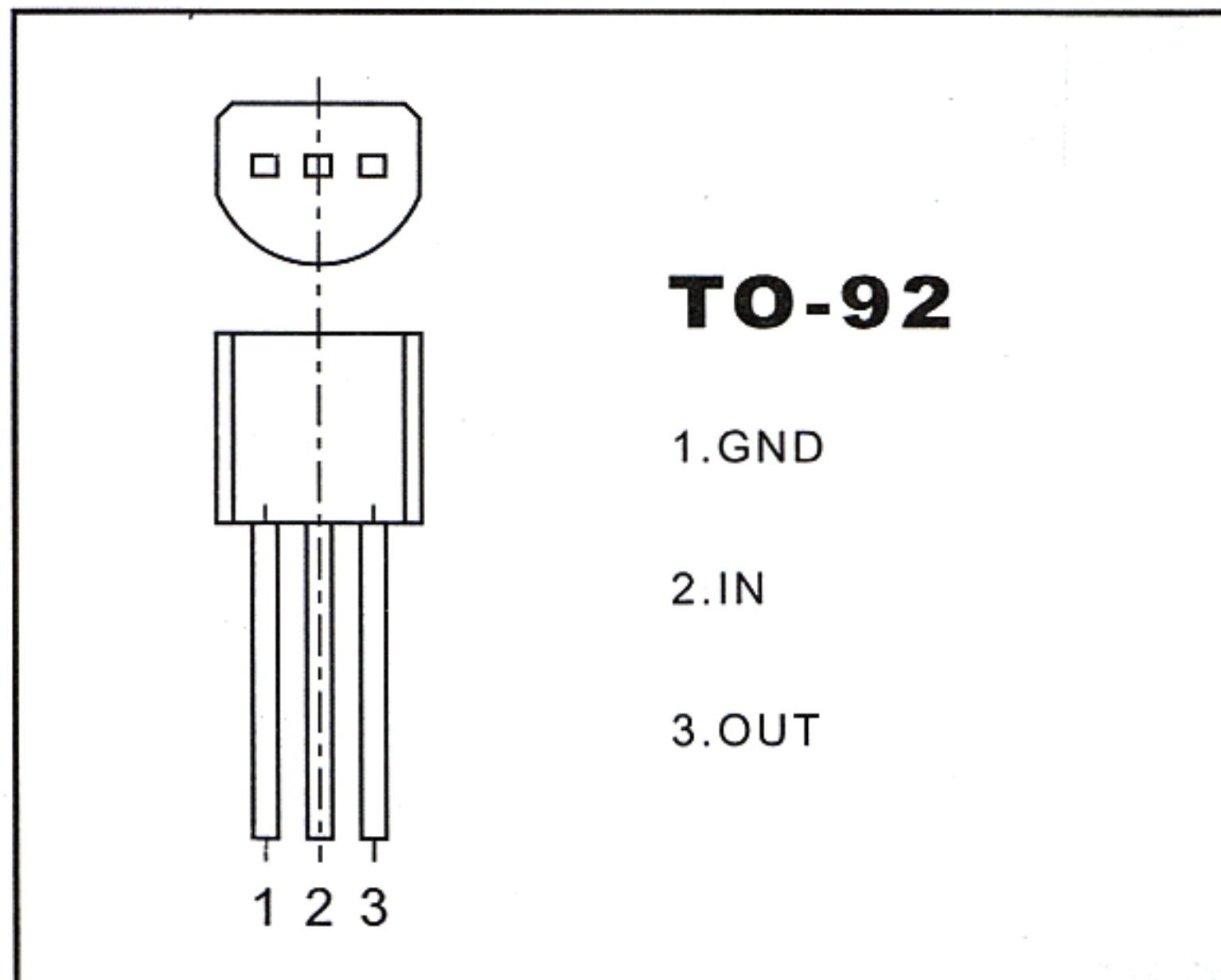


Three-Terminal Low Current Voltage Regulators

CJ79L08 Three-terminal negative voltage regulator



FEATURES

Maximum Output current

I_{OM} : 0.1 A

Output voltage

V_o : -8 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 =-14V, I_o =40mA, 0°C < T_j < 125°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 =-14V, I_o =40mA	-7.68	-8.0	-8.32	V
Line regulation	V_o - V_{IN}	V_i =-10.5~-23V, I_o =40mA		24	175	mV
Load regulation	V_o - I_o	V_i =-14V, I_o =1~100mA		10	80	mV
Quiescent current	I_q	V_i =-14V, I_o =40mA		3.5	6.0	mA
Ripple rejection	RR	V_i =-11V~-21V, I_o =40mA, e_{IN} =1VP-P, f =140Hz	39	68		dB
Output noise voltage	V_N	V_i =-14V, BW=10Hz~100KH, I_o =40mA		190		μ V

TYPICAL APPLICATION

