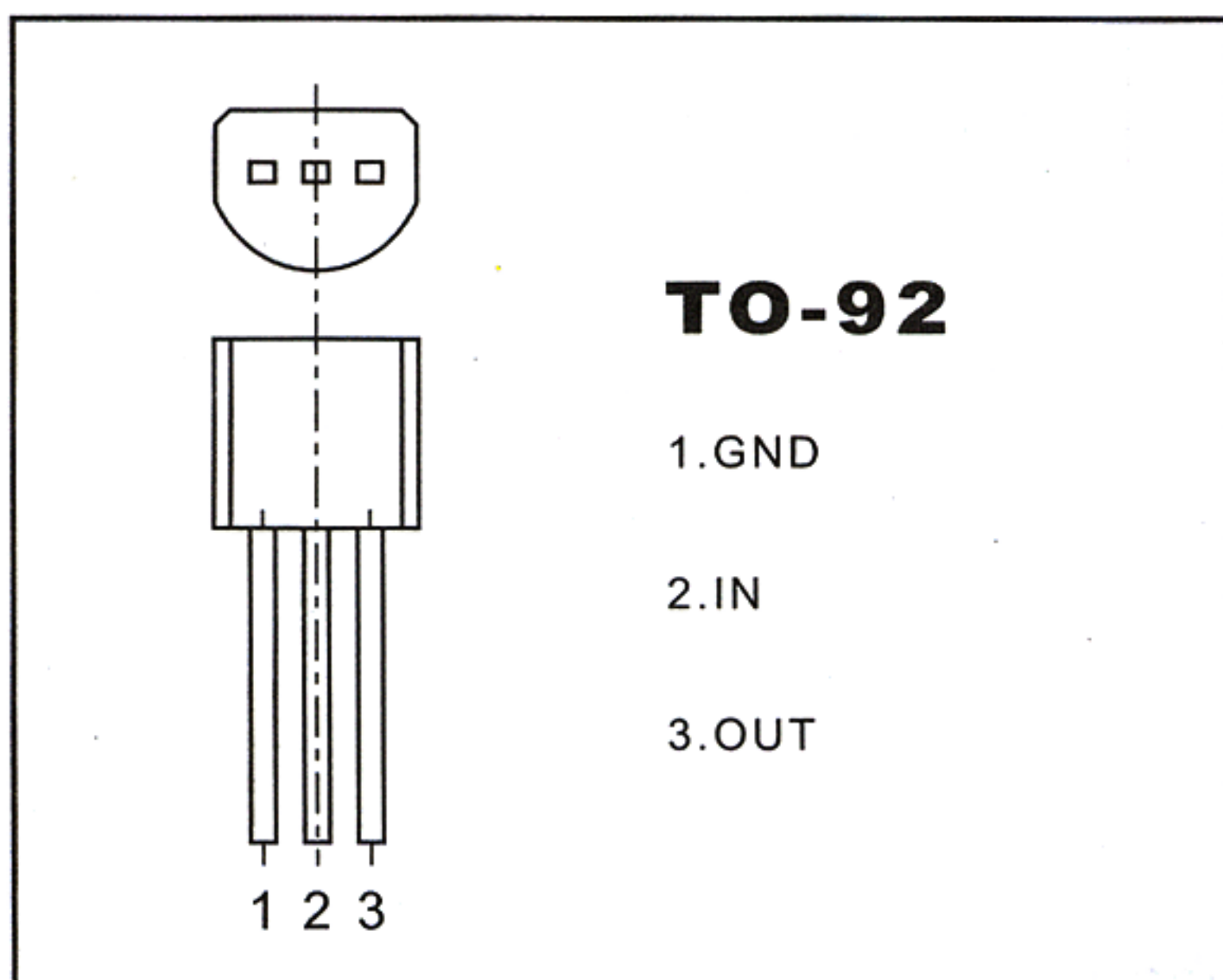


Three-Terminal Low Current Voltage Regulators

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

($V_i = -15V$, $I_o = 40mA$, $0^\circ C < T_j < 125^\circ C$, $C_1 = 0.33 \mu F$, $C_o = 0.1 \mu F$, 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	$V_o - V_i$	$V_i = -12.5 \sim -24V$, $I_o = 40mA$		27	200	mV
Load regulation	$V_o - I_o$	$V_i = -15V$, $I_o = 1 \sim 100mA$		12	90	mV
Quiescent current	I_q	$V_i = -15V$, $I_o = 40mA$		3.5	6.0	mA
Ripple rejection	RR	$V_i = -12V \sim -22V$, $I_o = 40mA$, $e_{IN} = 1V_{P-P}$, $f = 150Hz$	37	64		dB
Output noise voltage	V_N	$V_i = -15V$, $BW = 10Hz \sim 100KH$, $I_o = 40mA$		210		μV

TYPICAL APPLICATION

