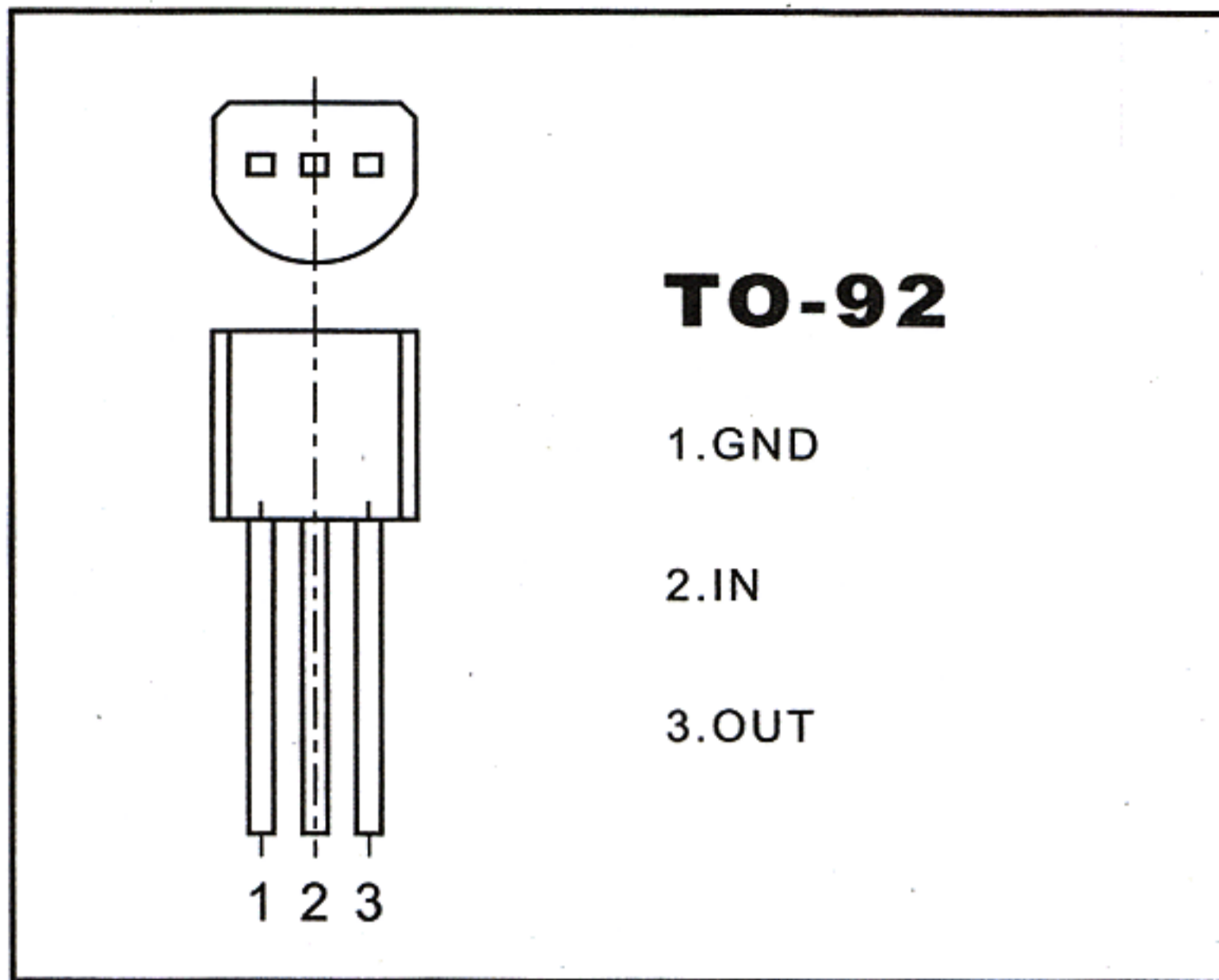


Three-Terminal Low Current Voltage Regulators

CJ79L06 Three-terminal negative voltage regulator



FEATURES

Maximum Output current

I_{OM} : 0.1 A

Output voltage

V_o : -6 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

($V_i = -12V$, $I_o = 40mA$, $0^\circ C < T_j < 125^\circ C$, $C_1 = 0.33 \mu F$, $C_o = 0.1 \mu F$, unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	V_o	$V_i = -12V$, $I_o = 40mA$	-5.76	-6.0	-6.24	V
Line regulation	$V_o - V_i$	$V_i = -8.5 \sim -20V$, $I_o = 40mA$		15	150	mV
Load regulation	$V_o - I_o$	$V_i = -12V$, $I_o = 1 \sim 100mA$		7	60	mV
Quiescent current	I_q	$V_i = -12V$, $I_o = 40mA$		3.5	6.0	mA
Ripple rejection	RR	$V_i = -9V \sim -19V$, $I_o = 40mA$, $e_{IN} = 1VP-P$, $f = 120Hz$	41	71		dB
Output noise voltage	V_N	$V_i = -12V$, $BW = 10Hz \sim 100KH$, $I_o = 40mA$		120		μV

TYPICAL APPLICATION

