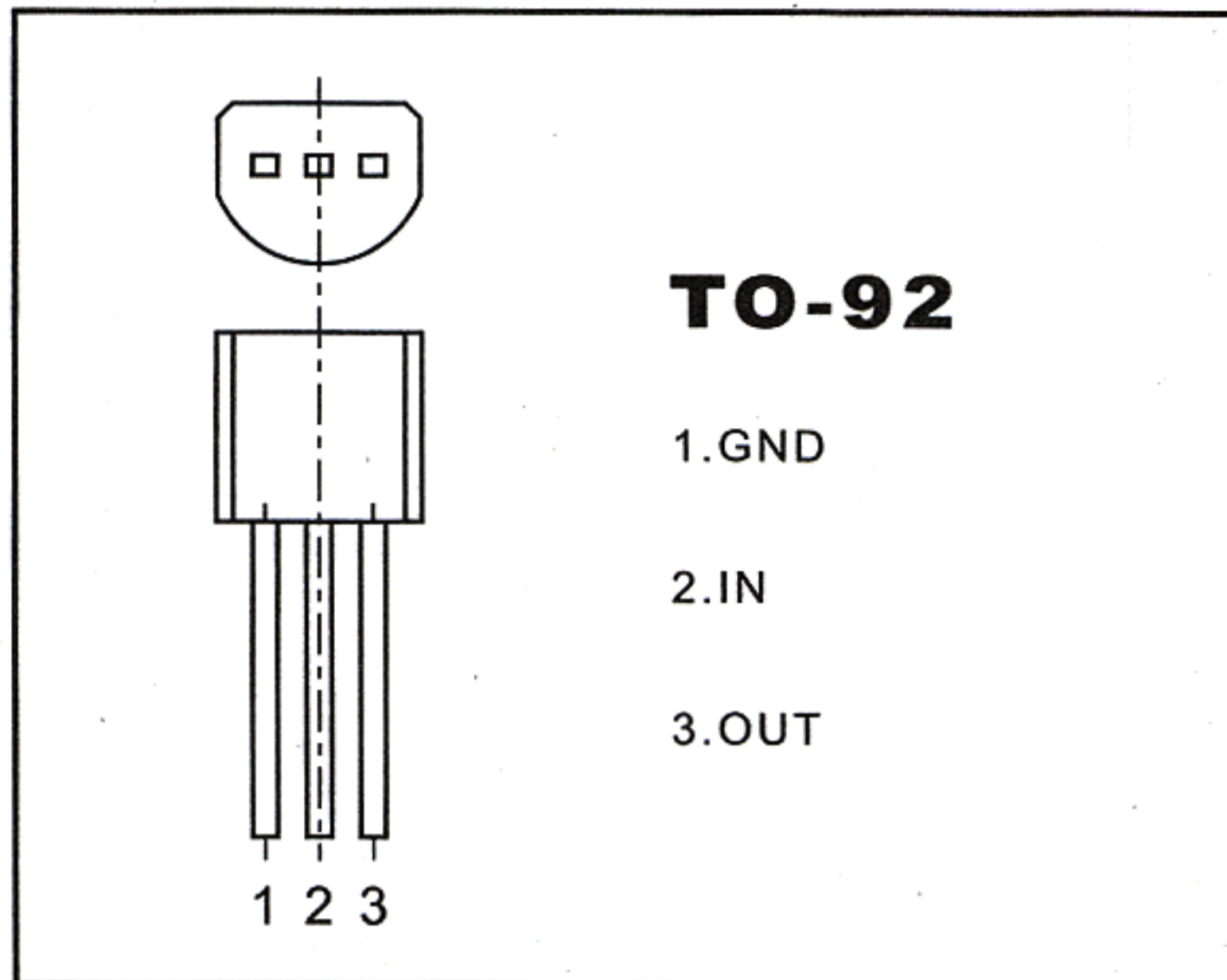


# Three-Terminal Low Current Voltage Regulators

## 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	$V_o-I_o$	$V_i=-12V$ , $I_o=1\sim100mA$		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	$V_N$	$V_i=-12V$ , $BW=10Hz\sim100KH$ , $I_o=40mA$		120		$\mu V$

### TYPICAL APPLICATION

