

### WEJ79L05 Three-terminal negative voltage regulator

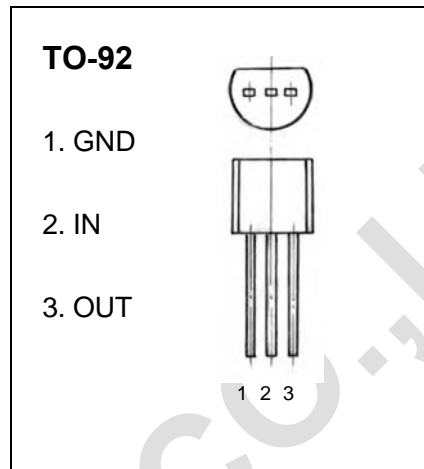
#### FEATURES

Maximum Output current

$I_{OM}$ : 0.1 A

Output voltage

$V_o$ : -5 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	$T_{OPR}$	0~+125	°C
Storage Temperature Range	$T_{STG}$	-55~+150	°C

#### ELECTRICAL CHARACTERISTICS ( $V_i=-10V, I_o=40mA, 0^{\circ}C < T_j < 125^{\circ}C, C_1=0.33\mu F, C_o=0.1\mu F$ , unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	$V_o$	$V_i=-10V, I_o=40mA$	-4.8	-5.0	-5.2	V
Load Regulation	$V_o-I_o$	$V_i=-10V, I_o=1mA \sim 100mA$		20	60	mV
Line regulation	$V_o-V_i$	$V_i=-7V \sim -20V, I_o=40mA$		15	150	mV
Quiescent Current	$I_q$	$V_i=-10V, I_o=40mA$			6	mA
Output Noise Voltage	$V_N$	$10Hz \leq f \leq 100KHz, V_i=-10V, I_o=40mA$		40		uV
Ripple Rejection	RR	$V_i=-8V \sim -18V, I_o=40mA, e_i=1V_{P-P}, f=120Hz$	41	49		dB

#### TYPICAL APPLICATION

