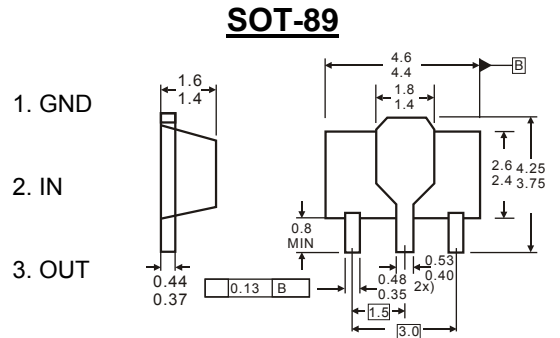
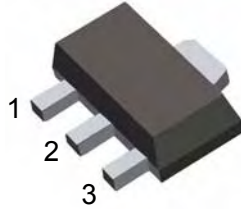


### Features

- ✧ Maximum Output current  
 $I_{OM}: 0.1 \text{ A}$
- ✧ Output voltage  
 $V_o: -5 \text{ V}$
- ✧ Continuous total dissipation  
 $P_D: 0.5 \text{ W}$



Dimensions in inches and (millimeters)

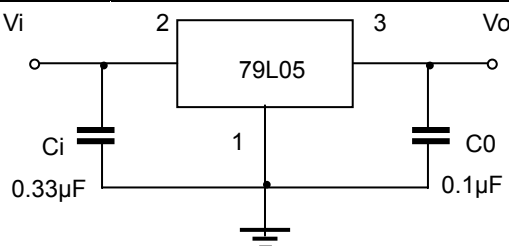
### ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)

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 ( $V_i = -10V, I_o = 40mA, C_i = 0.33\mu F, C_o = 0.1\mu F$ , unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	$V_o$	25°C	-4.8	-5.0	-5.2	V
		-7V ≤ $V_i$ ≤ -20V, $I_o = 1mA \sim 40mA$	-4.75	-5.0	-5.25	V
		0-125°C, $I_o = 1mA \sim 70mA$	-4.75	-5.0	-5.25	V
Load Regulation	$\Delta V_o$	$I_o = 1mA \sim 100mA$ , 25°C		20	60	mV
		$I_o = 1mA \sim 40mA$ , 25°C		10	30	mV
Line regulation	$\Delta V_o$	-7V ≤ $V_i$ ≤ -20V, 25°C		15	150	mV
		-8V ≤ $V_i$ ≤ -20V, 25°C		12	100	mV
Quiescent Current	$I_q$	25°C			6	mA
Quiescent Current Change	$\Delta I_q$	-8V ≤ $V_i$ ≤ -20V, 0-125°C			1.5	mA
		1mA ≤ $V_i$ ≤ 40mA, 0-125°C			0.1	mA
Output Noise Voltage	$V_N$	10Hz ≤ f ≤ 100KHz, 25°C		40		uV
Ripple Rejection	RR	-8V ≤ $V_i$ ≤ -18V, f=120Hz, 0-125°C	41	49		dB
Dropout Voltage	$V_d$	25°C		1.7		V

### TYPICAL APPLICATION



Note : Bypass capacitors are recommended for optimum stability and transient response and should be located as close as Possible to the regulators.



## Typical Characteristics

