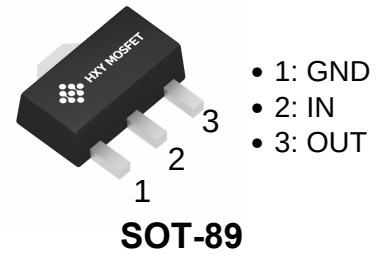




Features

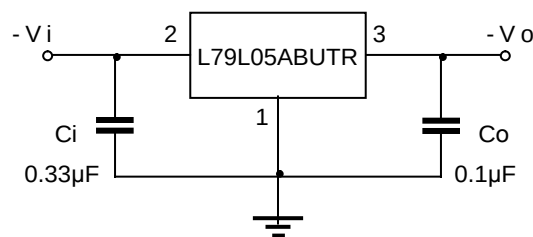
- Maximum output current
 $I_{OM}: 0.1A$
- Output voltage
 $V_o: -5V$
- Continuous total dissipation
 $P_D: 0.6W (T_a = 25^\circ C)$



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
L79L05ABUTR	SOT89-3L	79L05	1000

Typical Application Circuit



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



Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Input Voltage	V_i	-30	V
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	208.3	$^{\circ}\text{C}/\text{W}$
Operating Junction Temperature Range	T_{OPR}	-40~+125	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	-65~+150	$^{\circ}\text{C}$

Electrical Characteristics

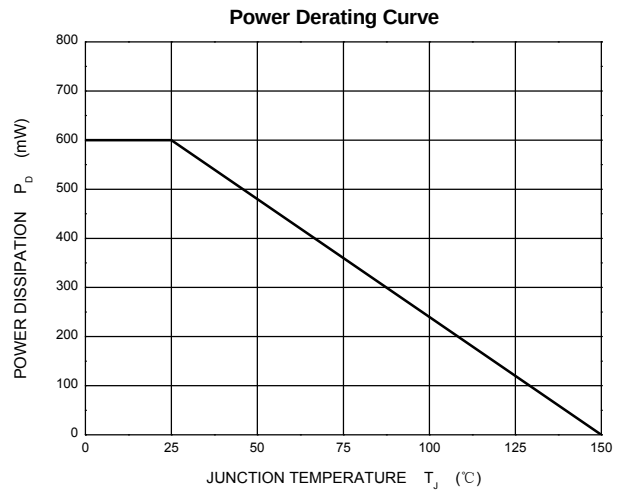
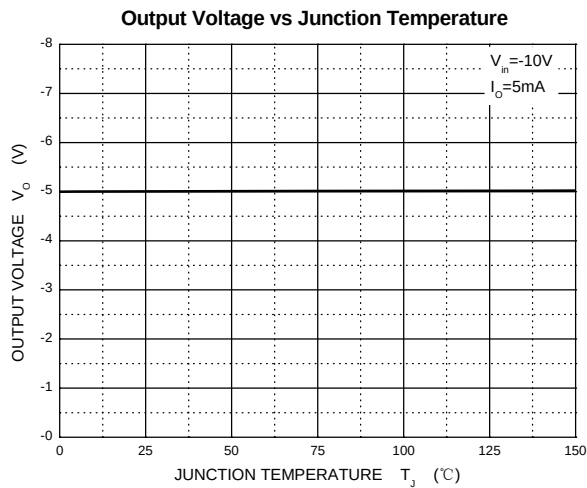
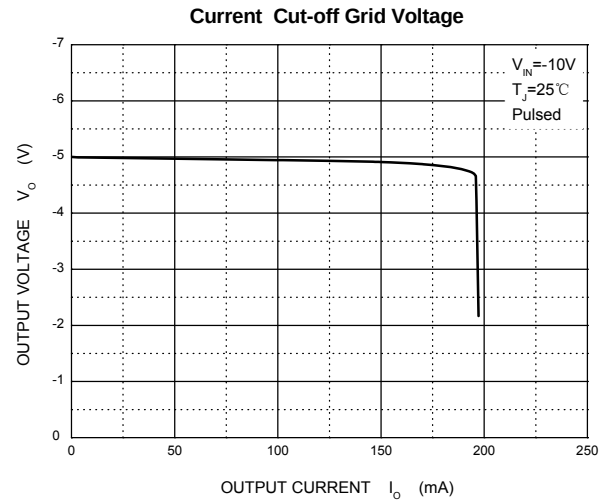
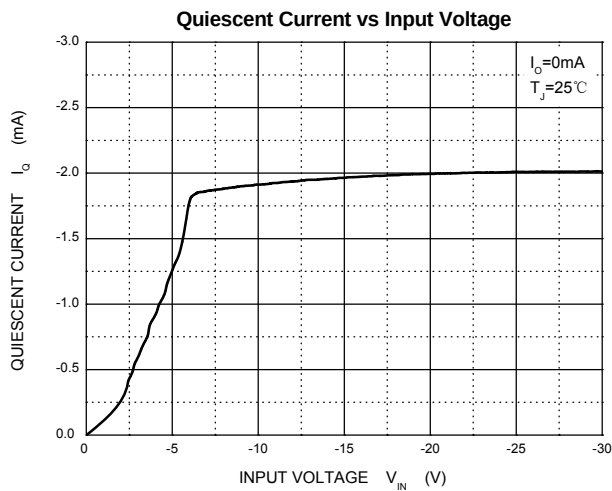
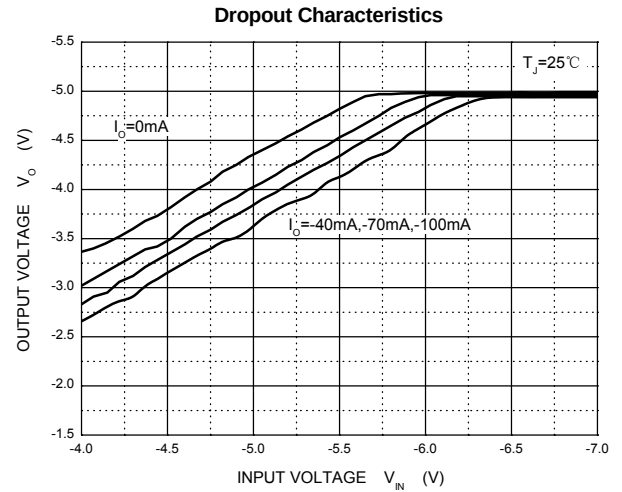
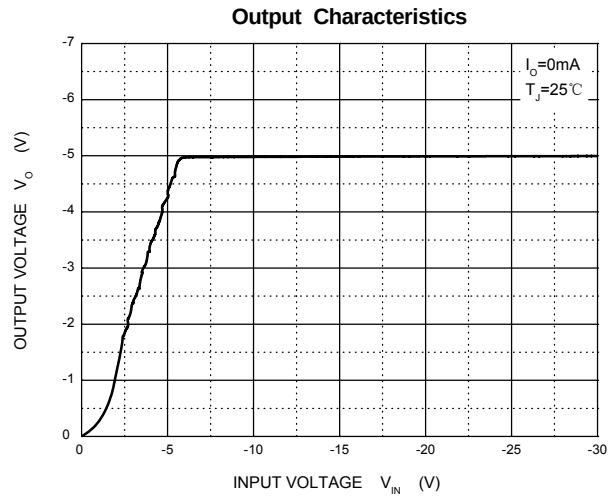
L79L05ACUTR ($V_i=-10\text{V}$, $I_o=40\text{mA}$, $C_i=0.33\mu\text{F}$, $C_o=0.1\mu\text{F}$, unless otherwise specified)

Parameter	Symbol	Test conditions		Min	Typ	Max	Unit
Output Voltage	Vo		25℃	-4.8	-5.0	-5.2	V
		-7V≤Vi≤-20V, Io=1mA~40mA	0-125℃	-4.75	-5.0	-5.25	V
		Io=1mA~70mA		-4.75	-5.0	-5.25	V
Load Regulation	ΔVo	Io=1mA~100mA	25℃		20	60	mV
		Io=1mA~40mA	25℃		10	30	mV
Line Regulation	ΔVo	-7V≤Vi≤-20V	25℃		15	150	mV
		-8V≤Vi≤-20V	25℃		12	100	mV
Quiescent Current	Iq		25℃			6	mA
Quiescent Current Change	ΔIq	-8V≤Vi≤-20V	0-125℃			1.5	mA
	ΔIq	1mA≤Vi≤40mA	0-125℃			0.1	mA
Output Noise Voltage	VN	10Hz≤f≤100KHz	25℃		40		μV/Vo
Ripple Rejection	RR	-8V≤Vi≤-18V,f=120Hz	0-125℃	41	49		dB
Dropout Voltage	Vd		25℃		1.7		V

* Pulse test.

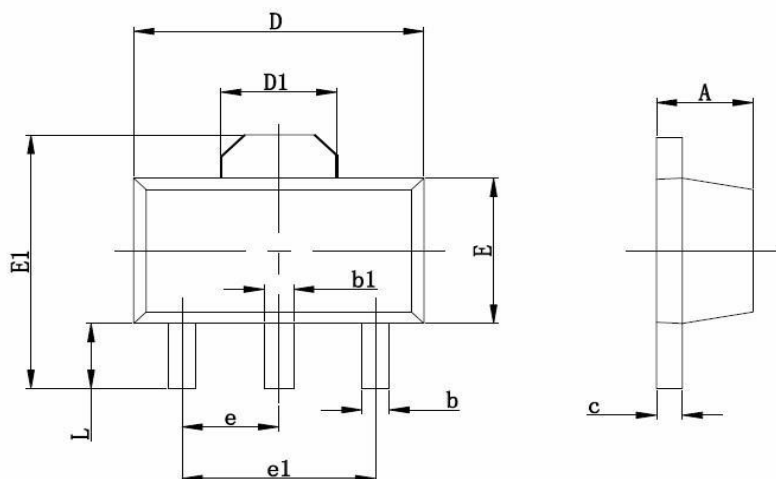


Typical Characteristics





SOT89-3L Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.400	1.600	0.055	0.063
b	0.320	0.520	0.013	0.020
b1	0.400	0.580	0.016	0.023
c	0.350	0.440	0.014	0.017
D	4.400	4.600	0.173	0.181
D1	1.550 REF.		0.061 REF.	
E	2.300	2.600	0.091	0.102
E1	3.940	4.250	0.155	0.167
e	1.500 TYP.		0.060 TYP.	
e1	3.000 TYP.		0.118 TYP.	
L	0.900	1.200	0.035	0.047



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