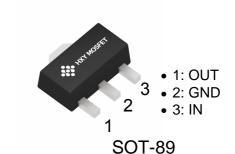


Features

- Maximum output current I_{OM}: -0.1A
- Output voltage
 V_O: -12V
- Continuous total dissipation P_D : 0.625 W (T_a = 25 °C)

Applications

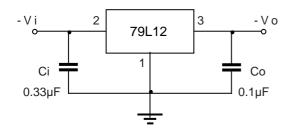
- TV Board
- Air Conditioner
- Vehicle Mounted Radar
- Charging Device



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)		
79L12	SOT-89	79L12	1000		

Typical Application Circuit





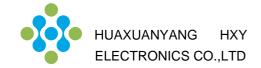
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Input Voltage	Vi	-30	V
Thermal Resistance from Junction to Ambient	R _{θJA}	200	°C/W
Operating Junction Temperature Range	T _{OPR}	-40~+125	°C
Storage Temperature Range	T _{STG}	-65~+150	°C

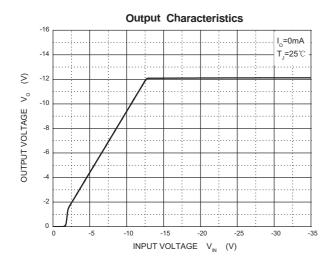
Electrical Characteristics

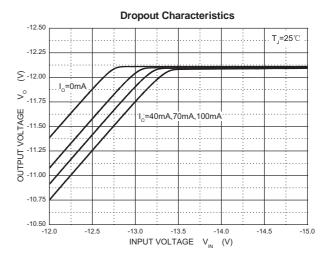
78L12 (V_{OUT} = 12V, V_{IN} = 19V, I_{OUT} = 40mA, C_{IN} = 0.33 μ F, C_{OUT} = 0.1 μ F, T_J = 25°C, unless otherwise specified)

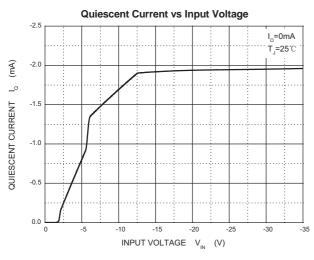
Parameter	Symbol	Test conditions		Min	Тур	Max	Unit
			25℃	-11.52	-12	-12.48	V
Output Voltage	Vo	-14.5V≤V _I ≤-27V, Io=1mA~40mA	0-125℃	-11.4	-12	-12.6	V
		Io=1mA~70mA	U-125 C	-11.4	-12	-12.6	V
Load Regulation	ΔVο	Io=1mA~100mA	25℃		24	100	mV
Load Negulation	400	Io=1mA~40mA	25°C		15	50	mV
Line Regulation	ΔVο	-14.5V≤V _I ≤-27V	25°C		50	250	mV
Line Regulation	Δνο	-16V≤V _I ≤-27V	25℃		40	200	mV
Quiescent Current	Iq		25℃			6.5	mA
Quiescent Current Change	Δlq	-16V≤V _I ≤-27V	0-125℃			1.5	mA
Quiescent Ourrent Onlange	Δlq	1mA≤l _O ≤40mA	0-125℃			0.1	mA
Output Noise Voltage	V _N	10Hz≤f≤100KHz	25℃		80		μV/Vo
Ripple Rejection	RR	-15V≤V _I ≤-25V,f=120Hz	0-125℃	37	42		dB
Dropout Voltage	Vd		25°C		1.7		V

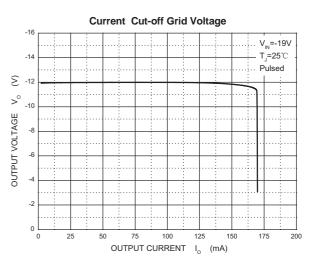


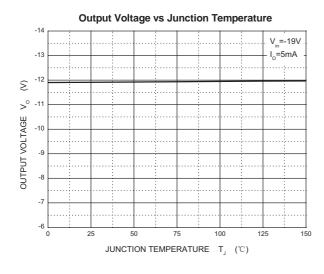
Typical Characteristics

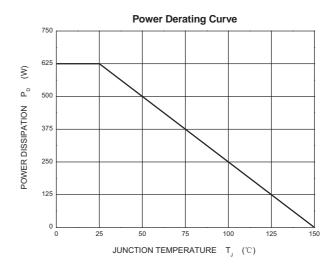






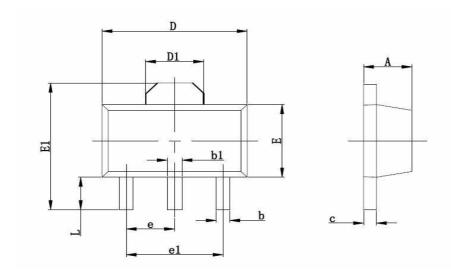








SOT-89 Package Outline Dimensions



Cymphol	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min	Max	Min	Max	
Α	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	
С	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	
е	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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