

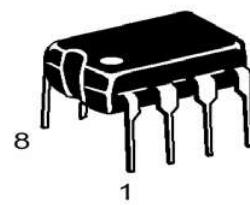


Motor control driver chip

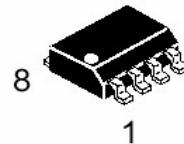
L9110

Features:

- Low quiescent current;
- Wide supply voltage range: 2.5V-12V;
- 800mA continuous current output capability per channel;
- Lower saturation voltage;
- TTL / CMOS output level compatible, and can be directly connected to the CPU;
- Output built-in clamp diodes for inductive load;
- Integrated control and drive into a monolithic IC;
- With pin high-voltage protection function;
- Operating temperature: 0 °C -80 °C.



DP Suffix plastic package (DIP8)



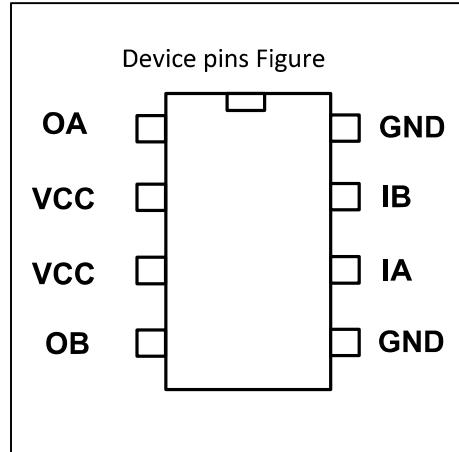
SO Suffix plastic package (SOP8)

Description :

L9110 The ASIC device control and drive motor design two-channel push-pull power amplifier discrete circuits integrated into a monolithic IC, peripheral devices and reduce the cost, improve the reliability of the whole. This chip has two TTL / CMOS compatible with the level of the input, with good resistance; two output terminals can directly forward and reverse movement of the drive motor, it has a large current driving capability, each channel through 750 ~ 800mA of continuous current, peak current capability up to 1.5 ~ 2.0A; while it has a low output saturation voltage; **built-in clamp diode reverse the impact of the current release inductive load it in the drive relays, DC motors, stepper motor or switch power tube use on safe and reliable.** L9110 is widely used in toy car motor drives, stepper motor drive and switching power tube circuit.

Pin definitions:

No.	Symbol	Function
1	OA	A road output pin
2	VCC	Supply Voltage
3	VCC	Supply Voltage
4	OB	B output pin
5	GND	Ground
6	IA	A road input pin
7	IB	B input pin
8	GND	Ground



Test conditions: Vcc =9V , Iout =750mA

Symbol	Parameters	minimum	Typical	maximum	units
VH _{out}	Output high	7.50	7.60	7.70	V
VL _{out}	Output low	0.35	0.45	0.55	V
VH _{in}	Input high	2.5	5.0	9.0	V
VL _{in}	Input low	0	0.5	0.7	V

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Motor control driver chip

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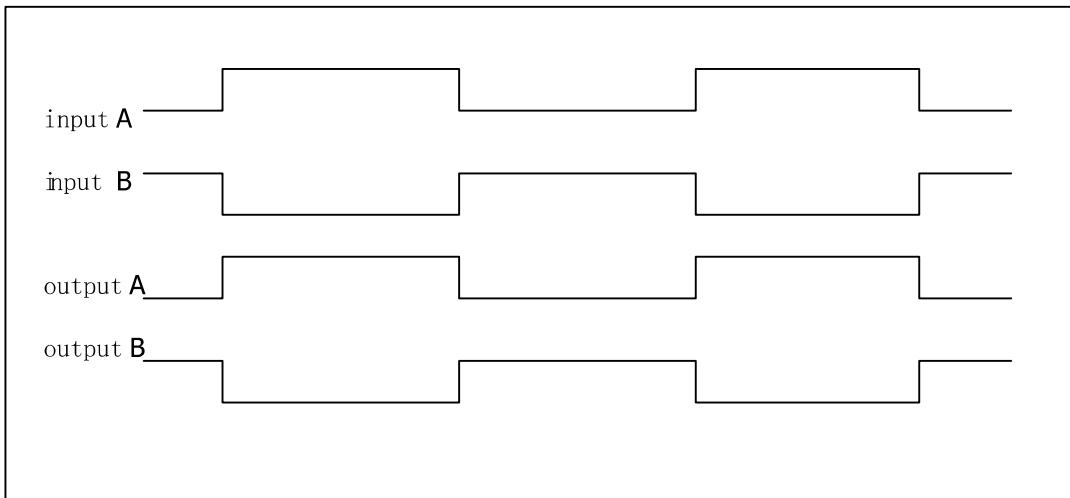
Electrical characteristics:

Logical relationship:

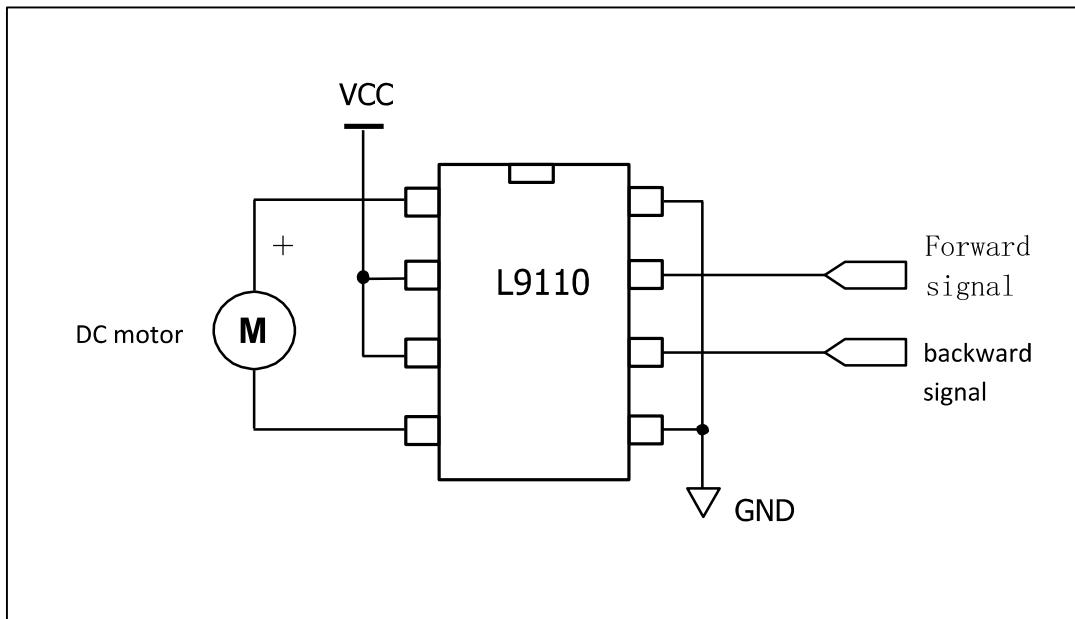
Symbol	Parameters	Range			Units
		Min	Typical	Max	
VCC	Supply Voltage	2.5	6	12	V
Idd	Quiescent Current	—	0	2	uA
Iin	Operating current	200	350	500	uA
IC	Continuous	750	800	850	mA
IMax	Current peak	—	1500	2000	mA

IA	IB	OA	OB
H	L	H	L
L	H	L	H
L	L	L	L
H	H	L	L

Pin waveform diagram:



Application Circuit:



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