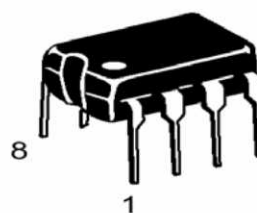
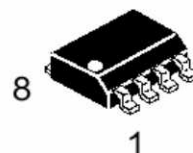


**Features:**

- 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:

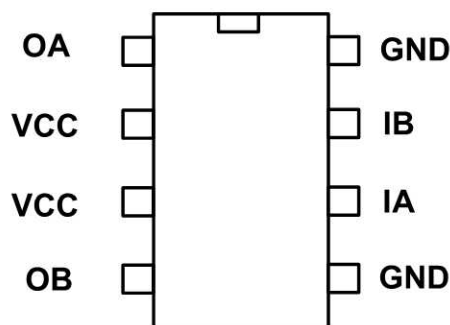
L9110 The ASIC device control and drive motor design two-channel push-pull power amplifier discrete circuits integrated into a monolithic IC, peripheral devices and reduce the cost, improve the reliability of the whole. This chip has two TTL / CMOS compatible with the level of the input, with good resistance; 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

Device pins Figure



Test conditions: $V_{CC} = 9V$, $I_{out} = 750mA$

Symbol	Parameters	minimum	Typical	maximum	units
$V_{H_{out}}$	Output high	7.50	7.60	7.70	V
$V_{L_{out}}$	Output low	0.35	0.45	0.55	V
$V_{H_{in}}$	Input high	2.5	5.0	9.0	V
$V_{L_{in}}$	Input low	0	0.5	0.7	V



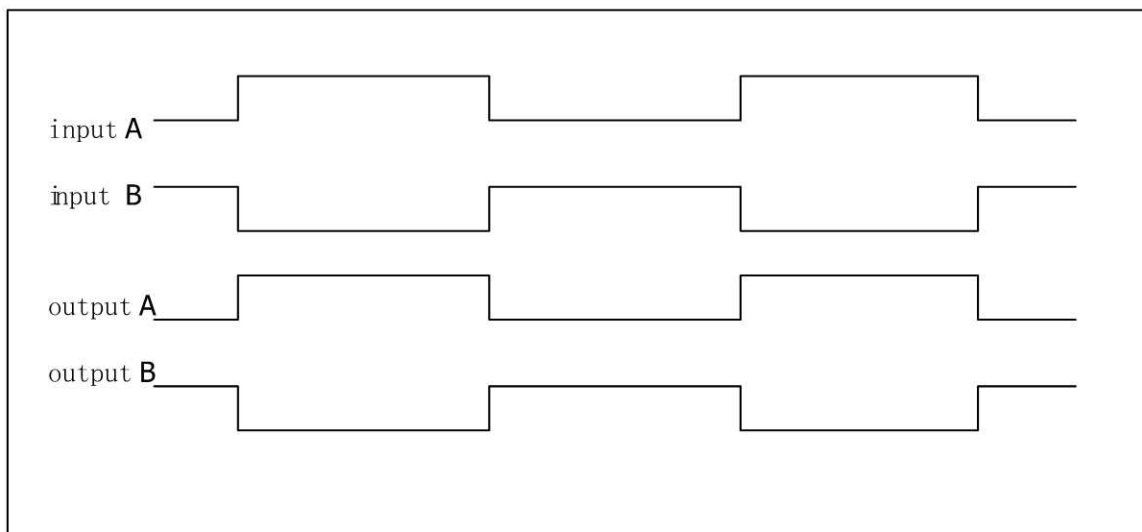
Electrical characteristics:

Logical relationship:

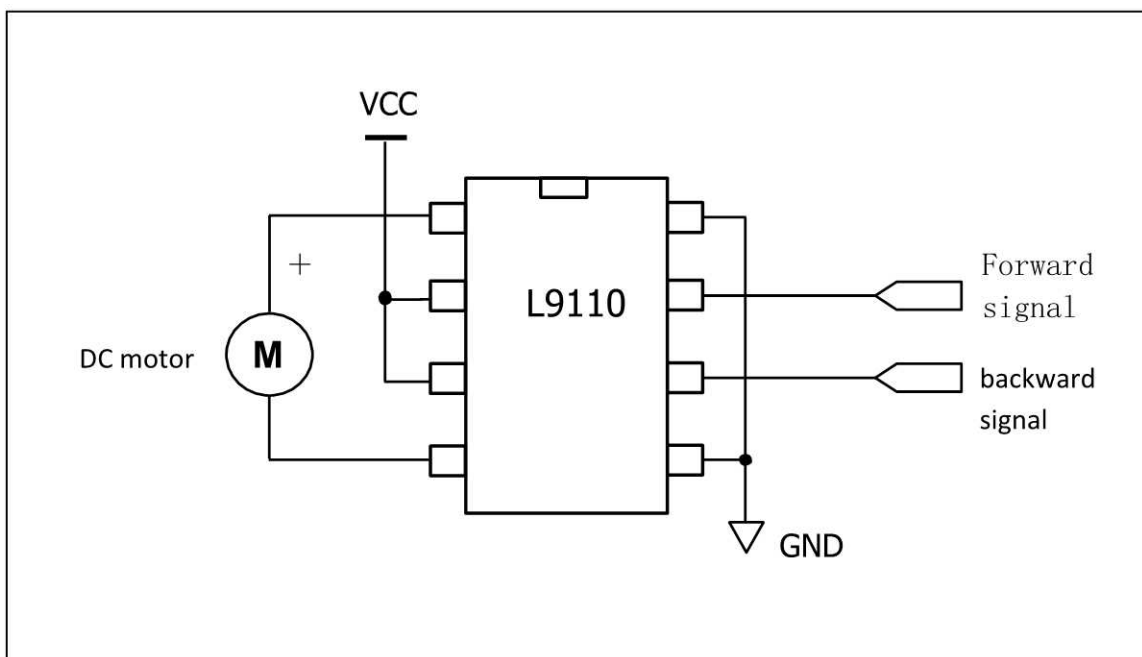
Symbol	Parameters	Range			Units
		Min	Typical	Max	
VCC	Supply Voltage	2.5	6	12	V
I _{dd}	Quiescent Current	—	0	2	uA
I _{in}	Operating current	200	350	500	uA
I _C	Continuous	750	800	850	mA
I _{Max}	Current peak	—	1500	2000	mA

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:



L9110S双通道电机驱动模块是一个紧凑的电路板，可用于驱动小型机器人。该模块有两个独立的电机驱动芯片，每个驱动芯片可以驱动800ma的连续电流。电路板可以从2.5伏到12伏操作，使该模块能够与3.3伏和5伏微控制器一起使用。一组母头管脚用于将该模块连接到微控制器。电机通过两组螺钉端子连接。一个脉宽调制脉冲宽度调制信号用于控制电机的速度，用数字输出改变电机的方向。此模块还可用于驱动一台四线二相步进电机。四个孔使该板易于安装到您的机器人或其他项目上。规格·板上2 L9110电机控制芯片·模块可由两个直流电机同时驱动或一相4线2型步进电机·输入电压：2.5-12V dc·每个通道有一个连续的输出电流ENT 800 MA·印刷电路板尺寸：29.2毫米x 23毫米针配置如何测试要使用的组件是：微控制器（任何兼容的Arduino）-L9110 2通道电机驱动器-插针连接器-直流电机-2.5伏-12伏直流外部电源1。使用销接头连接部件。VCC插脚连接到可处理800mA的2.5V-12V直流外部电源，GND插脚连接到GND，A-IA、A-IB、B-IA和B-IB插脚连接到数字I/OPIN。密码将基于实际的程序代码。硬件连接后，将示例草图插入Arduino IDE.3。使用USB电缆，将端口从微控制器连接到计算机。上传程序

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厂的授权代理商，所售电子元器件均为原厂原装正品，只需提
交BOM物料清单，我们将为您报出一个满意的价格，客户整
单采购可节约采购时间，节省采购成本，万联芯城产品体系能
够满足多种电子元器件物料需求，[点击进入万联芯城](#)。

