



HLS6-4100H Series Relay

ORDERING CODE 订购代码

HLS6-4100H- D- DC12V

NOMINAL VOLTAGE

DC3V,DC5V,DC6V,DC9V,DC12V,DC24V,DC48V

COIL

D...STANDARD (0.36W) L...HIGH SENSITIVE(0.2W)

H...HIGH POWER(0.45W)

TYPE

CONTACT DATA 触点参数：

Contact Form	触点形式	1A/1C	
Contact Material	触点材料	Ag+Au	
Contact Ratings	触点负载	1A:120VAC/24VDC	3A:120VAC/24VDC
Max Switching Voltage	最大转换电压	240VAC/60VDC	
Max Switching Current	最大转换电流	3A	
Max Switching Power	最大转换功率	240VA/90W	
Initial Contact Resistance	接触电阻 (首次)	50mΩ	Max at 6VDC 1A
Life Expectancy Electrical	电气寿命	100,000	Operations(rated load)
Life Expectancy Mechanical	机械寿命	10,000,000	Operations(no load)

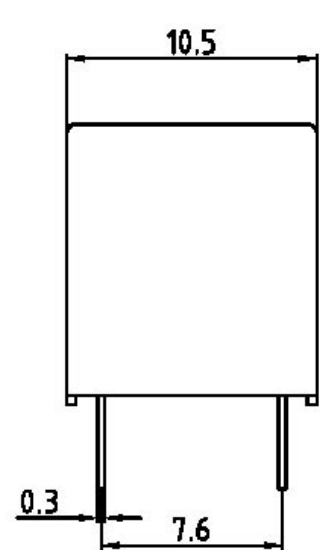
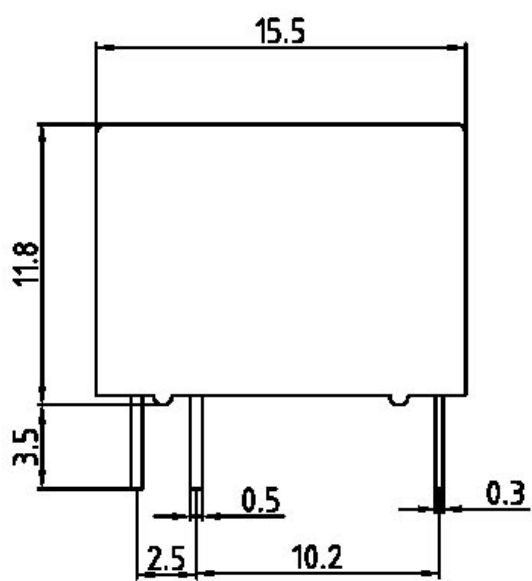
GENERAL DATA 一般参数：

Insulation Resistance		绝缘阻值	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts		触点间耐压	500VAC 50-60HZ (1 minute)
Dielectric Strength Between Contacts And Coil		触点与线圈间耐压	1000VAC 50-60HZ (1 minute)
Operate Time		吸合时间	5ms max
Release Time		释放时间	5ms max
Ambient Temperature		环境温度	-25°C to +70°C
Shock Resistance 冲击	Malfunction	动作极限	10G
	Destruction	破坏极限	10G
Vibration Resistance		振动	10-55Hz, 1.5mm double amplitude
Ambient humidity		湿度	40-85% RH
Weight		重量	Approx 4g
Safety Standard		安全标准	CQC

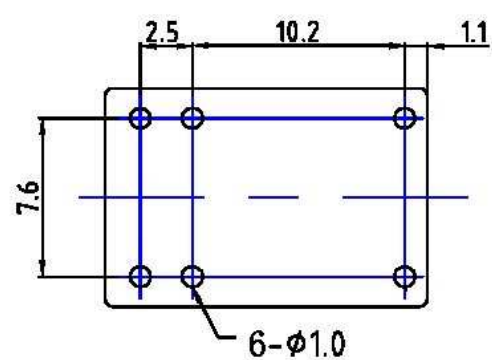
COIL DATA 线圈参数: (@20°C)

Rated Voltage 额定电压 (VDC)	Coil Resistance Ω ($\pm 10\%$) 线圈阻值			Max Operate Voltage 最大吸合电压 (VDC)	Min Release Voltage 最小释放电压 (VDC)	Max Applied Voltage 最大允许电压 (VDC)
	0.2W	0.36W	0.45W			
3	45	25	20	2.25	0.15	3.9
5	125	70	50	3.75	0.25	6.5
6	180	100	80	4.5	0.3	7.8
9	405	225	180	6.75	0.45	11.7
12	720	400	320	9	0.6	15.6
24	2800	1600	1280	18	1.2	31.2

Outline Dimension (mm) 外形尺寸(mm)



PC Board Layout 安装图



Wiring Diagram 接线图

