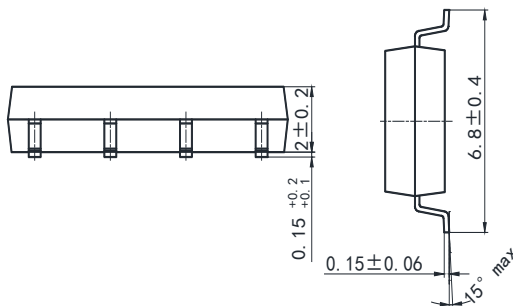




Output rating 输出额定		Marking model 标刻型号	Part No. 订货型号
Load voltage 负载电压	Load current 负载电流		
60V	200mA	BCW212S1	BCW212S1

Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: 9.4 ± 0.3
- Overall height: 4.68 ± 0.3
- Distance between hole centers (horizontal): 0.4 ± 0.1
- Distance from left edge to hole center 1: 2.54 ± 0.1
- Distance between hole centers (vertical): 7.62
- Hole locations are numbered 1 through 8.
- A small circular feature is located near the bottom left corner.





Technical parameters 技术参数 (Ambient Temperature 25°C)

I/O Absolute Maximum Ratings 输入输出电气参数最大值

Item 项目		Symbol 符号	Value 数值
Operating Temperature 工作温度		T_{OPR}	-40°C~+85°C
Storage Temperature 储存温度		T_{STG}	-40°C~100°C
Input 输入	Continuous LED Current 工作电流	I_F	50mA
	Peak LED Current LED 峰值电流 (f=100Hz, Duty=1%)	I_{FP}	1000mA
	LED Reverse Voltage 反向电压	V_R	5V
	Input Power Dissipation 输入功耗	P_{IN}	75mW
Output 输出	Load Voltage 输出电压	V_L	60V (AC peak or DC)
	Load Current 输出电流	I_L	200mA
	Peak Load Current 峰值输出电流 (1ms, 1 shot)	I_{PEAK}	1000mA
	Output Power Dissipation 输出功耗	P_{OUT}	600mW
Total Allowable Power Dissipation 总允许功耗		P_T	650mW
I/O Breakdown Voltage 输入输出间隔离电压		$V_{I/O}$	1500Vrms
I/O Breakdown Voltage 输入输出间隔离电压 (加注 H)		$V_{I/O}$	3750Vrms

Electrical Specifications 输入输出电气参数

Item 项目		Symbol 符号	MIN. 最小值	TYP. 典型值	MAX. 最大值	Units 单位	Conditions 条件
Input 输入	LED Forward Voltage 正向电压	V_F		1.3	1.5	V	$I_F=10mA$
	Operation LED Current 接通电流	$I_{F ON}$		0.8	2.0	mA	
	Recovery LED Voltage 关断电压	$V_{F OFF}$	0.7			V	
Output 输出	On-Resistance 导通电阻	R_{ON}		2	5	Ω	$I_F=5mA, I_L=Rating$ (with in 1sec.)
	Off-State Leakage Current 漏电流	I_{LEAK}			1.0	μA	$V_L=60V$
	Output Capacitance 输出端容量	C_{OUT}		12		pF	$V_L=0V, f=1MHz$
Time parameters 时间参数	Turn-On Time 接通时间	T_{ON}		0.15	0.5	ms	$I_F=5mA$ $I_L=100mA$
	Turn-Off Time 关断时间	T_{OFF}		0.05	0.5	ms	
I/O 输入输出	I/O Insulation Resistance 绝缘电阻	$R_{I/O}$	1000			M Ω	DC500V
	I/O Capacitance 隔离电容	$C_{I/O}$		0.8		pF	f=1MHz



BCW212S1 型光 MOS 继电器

Reference Data 参考数值 (BCW212S)

