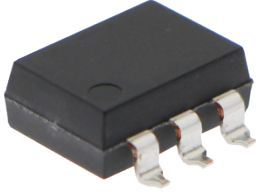
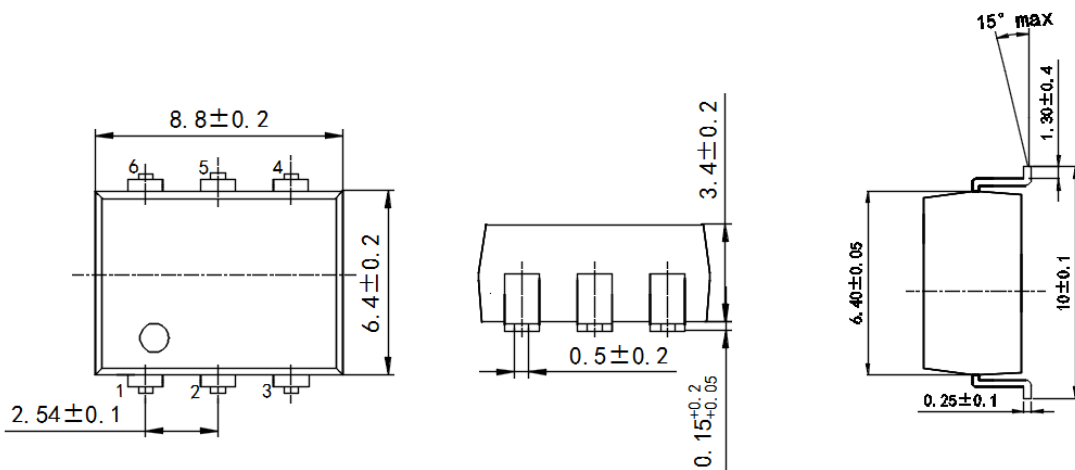
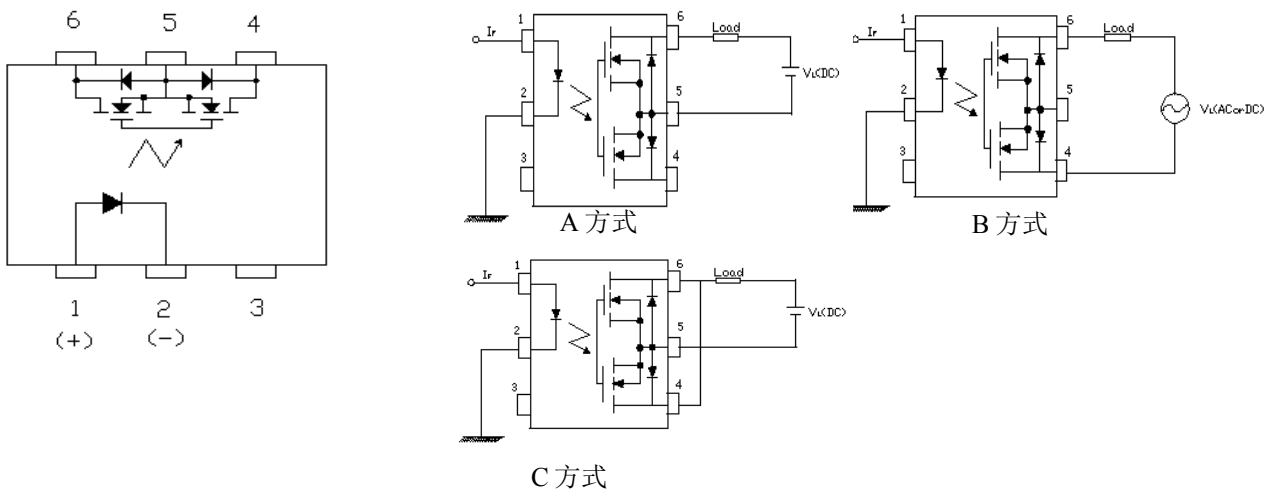


产品图片	Features 产品特性	Application 应用
 <p>SMD6</p>	<ul style="list-style-type: none"> ● Contact Form 触点形式 1a ● Load Voltage 输出电压 1500V ● Load Current 输出电流 45mA ● Operation LED Current 二极管导通电流 5.0mA ● On-Resistance 导通电阻 180Ω ● Output Capacitance 输出电容 83pF ● Low Off-State Leakage Current 漏电流 10 μA 	<ul style="list-style-type: none"> ● Electric Vehicle 新能源汽车 ● Automatic Test Equipment 自动检测设备 ● Security Equipment 安全设备 ● Sensing Equipment 传感设备 ● Telephone Equipment 通信设备 ● I/O Modules I/O 模块 ● Modem 调制解调器

Dimensions 外形尺寸



Terminal Identification 引脚标识 Wiring Diagram 接线图



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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}	500mA	
	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	1500V (AC peak or DC)	
	Load Current 输出电流	I _L	A (AC or DC)	45mA
			B (DC)	50mA
			C (DC)	70mA
	Peak Load Current 峰值输出电流 (1ms, 1 shot)	I _{PEAK}	180mA	
Output Power Dissipation 输出功耗	P _{OUT}	450mW		
Total Power Dissipation 总功耗		P _T	500mW	
I/O Breakdown Voltage 输入输出间隔离电压		V _{I/O}	3750Vrms	
I/O Breakdown Voltage 输入输出间隔离电压 (加注 H)		V _{I/O}	5000Vrms	

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	1.0	1.17	1.5	V	I _F =10mA
	Operation LED Current 接通电流	I _{F ON}		0.9	5.0	mA	
	Recovery LED Voltage 关断电压	V _{F OFF}	0.5	1.0		V	
Output 输出	On-Resistance 导通电阻	R _{ON}		110	200	Ω	I _F =10mA, I _L =Rating (with in 1sec.)
		R _{ON}		180	300	Ω	I _F =10mA, I _L ≤5mA
	Off-State Leakage Current 漏电流	I _{LEAK}			10	μA	V _L =1500V
	Output Capacitance 输出端容量	C _{OUT}		83		pF	V _L =0V, f=1MHz
Time parameters 时间参数	Turn-On Time 接通时间	T _{ON}		0.3	1.0	ms	I _F =10mA, I _L =Rating
	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}	10 ¹⁰			Ω	
	I/O Capacitance 隔离电容	C _{I/O}		1.3		pF	f=1MHz

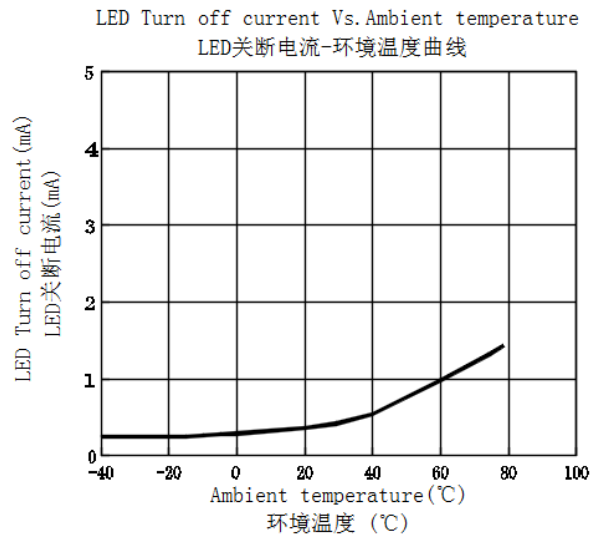
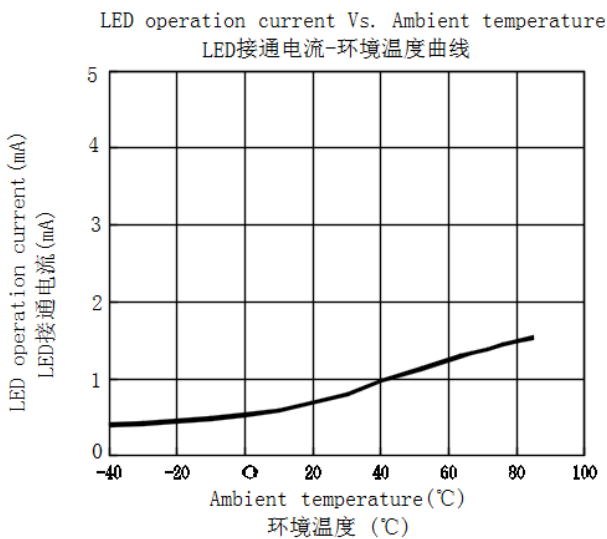
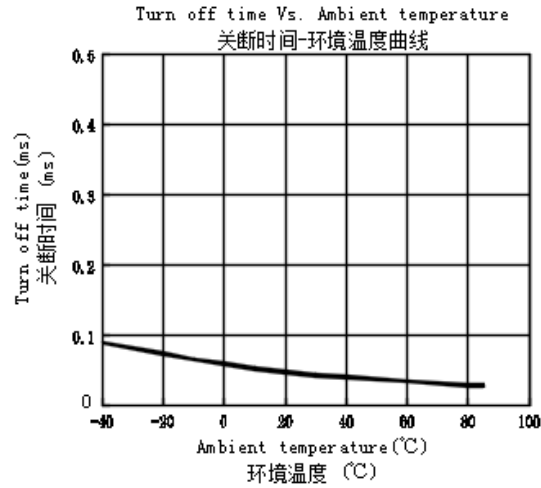
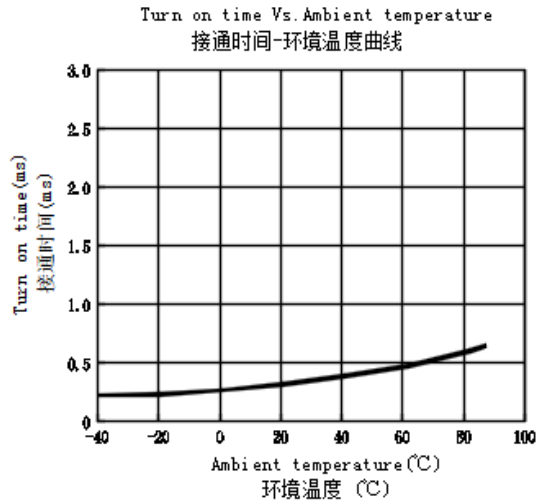
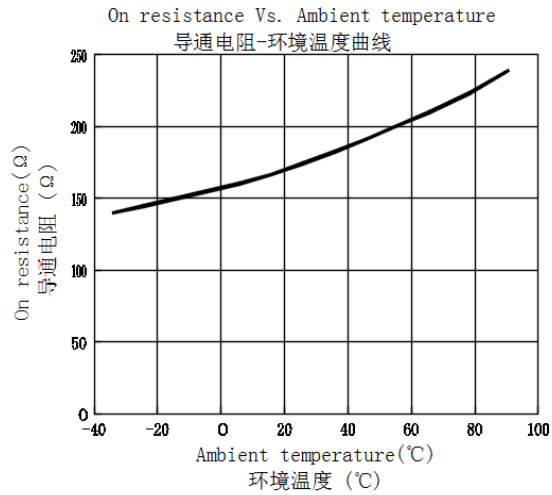
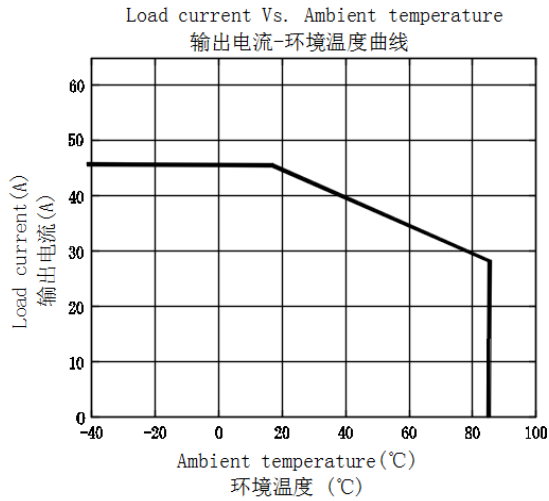
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Reference Data 曲线图



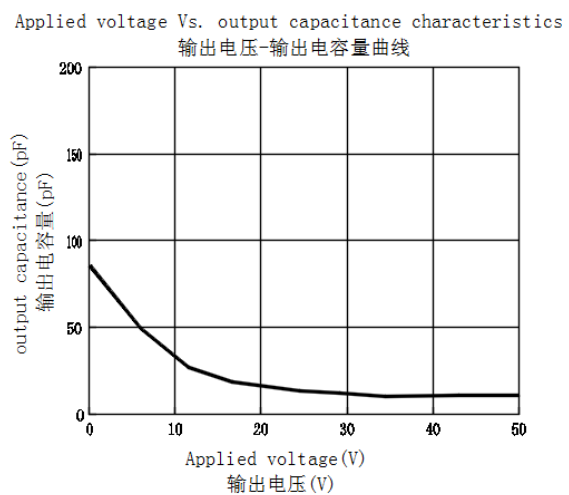
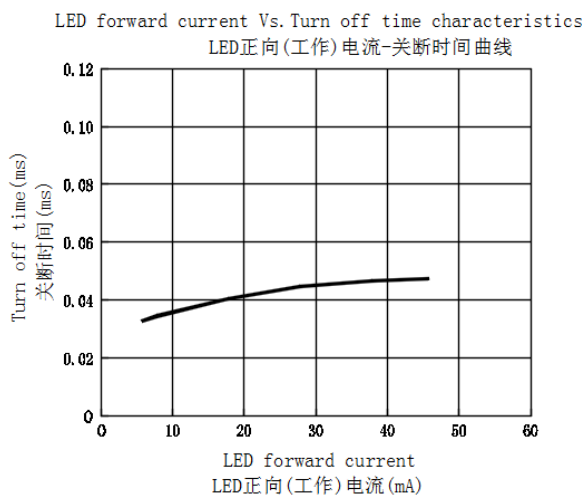
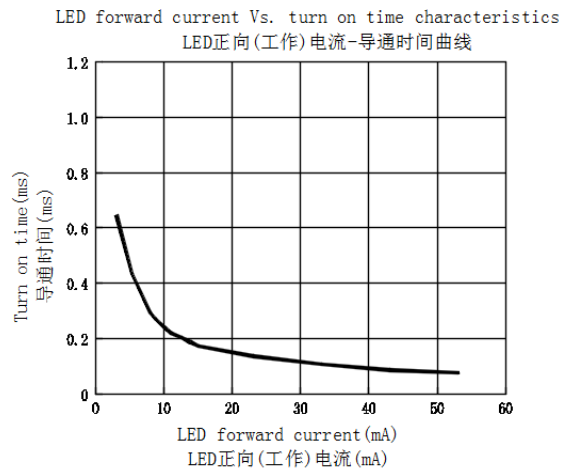
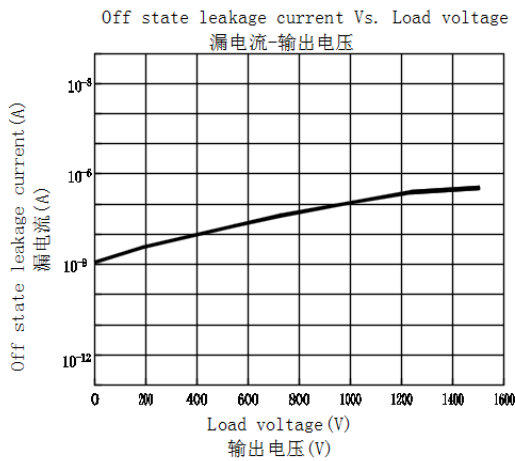
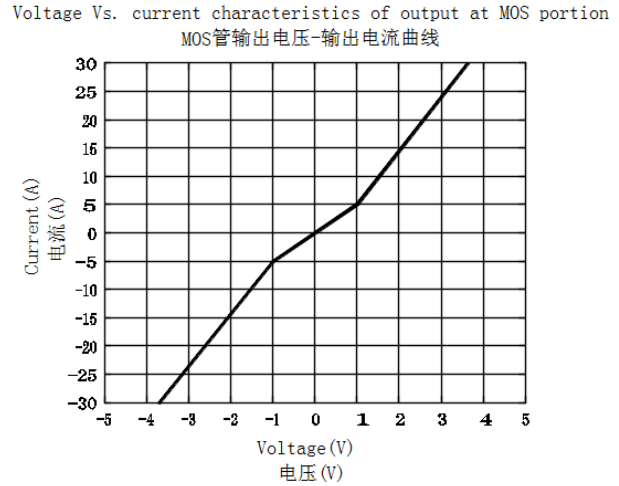
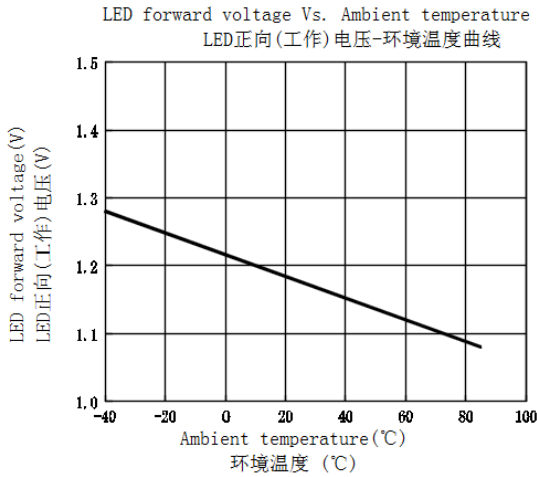
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BCV218A 型光 MOS 继电器



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