




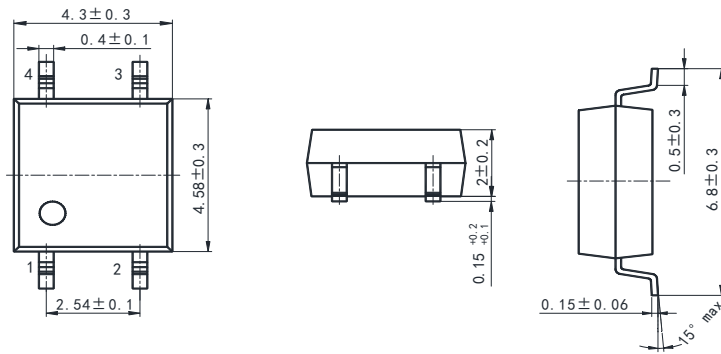
PhotoMOS光MOS继电器 (SOP4)

产品图片	Features产品特性	Application应用
 <p>SOP4</p>	<ul style="list-style-type: none"> ● Contact Form 触点形式 1a ● Load Voltage 输出电压 200V ● Load Current 输出电流 180mA ● Low Off-State Leakage Current 漏电流 1.0 μA 	<ul style="list-style-type: none"> ● 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

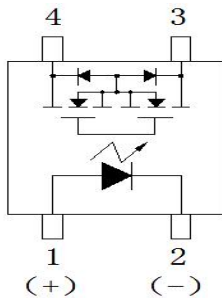
Type 种类

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		
200V	0.18A	BCY217S	BCY217S

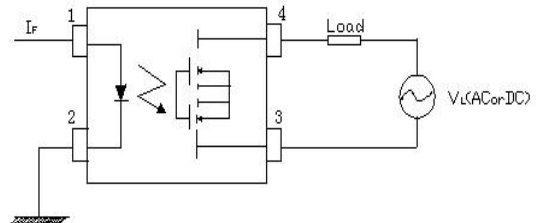
Dimensions外形尺寸



Terminal Identification引脚标识



Wiring Diagram 接线图



通讯地址：陕西省西安市国家民用航天产业基地航天中路385号众创广场11层1101、1102、1104室

生产地址：陕西省宝鸡市陈仓区群力路1号邮政编码：721300

电话：(0917)-6293969 (0917)-6293785 传真：(0917)-6293969



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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}	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	200V (AC peak or DC)
	Load Current 输出电流	I_L	180mA
	Peak Load Current 峰值输出电流 (1ms, 1 shot)	I_{PEAK}	1A
	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	$V_{I/O}$	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	$I_{F ON}$	0.5	2	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}	5	8	Ω	$I_F=10mA, I_L=100mA$ with in 1 sec
	Off-State Leakage Current 漏电流	I_{LEAK}		1.0	μA	$V_L=200V$
	Output Capacitance 输出端容量	C_{OUT}		115	pF	$V_L=0V, f=1MHz$
Time parameters 时间参数	Turn-On Time 接通时间	T_{ON}	0.4	0.8	ms	$I_F=5mA,$ $I_L=100mA$
	Turn-Off Time 关断时间	T_{OFF}	0.05	0.2	ms	
I/O 输入输出	I/O Insulation Resistance 绝缘电阻	$R_{I/O}$	1000		M Ω	500VDC
	I/O Capacitance 隔离电容	$C_{I/O}$		0.8	pF	f=1MHz

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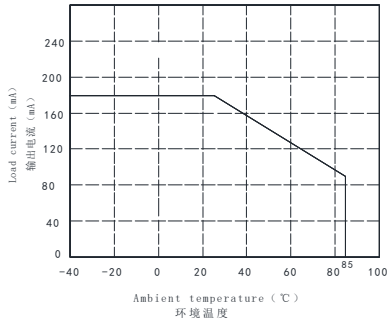
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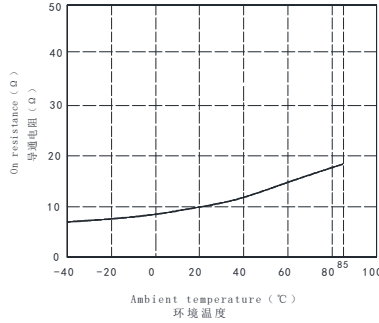
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Reference Data 参考数值 (BCY217S)

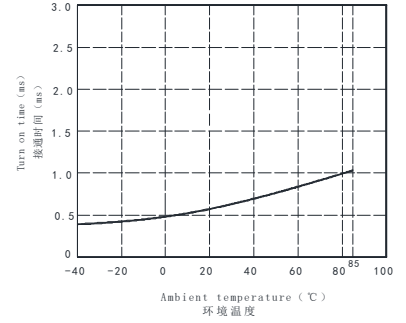
Load current Vs. Ambient temperature
输出电流-环境温度曲线



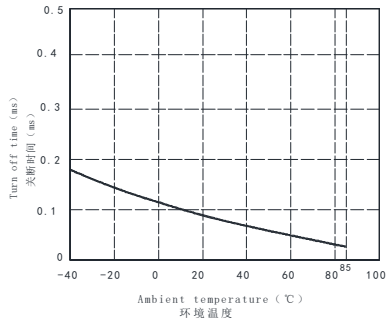
On resistance Vs. Ambient temperature
导通电阻-环境温度曲线



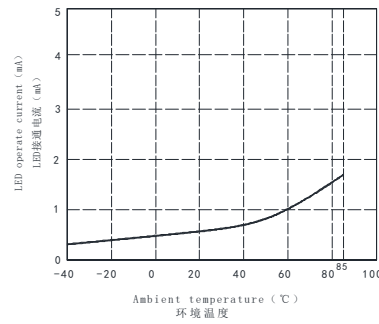
Turn on time Vs. Ambient temperature
接通时间-环境温度曲线



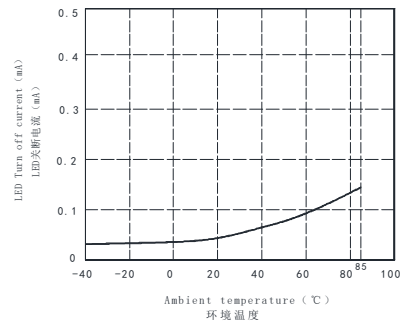
Turn off time Vs. Ambient temperature
关断时间-环境温度曲线



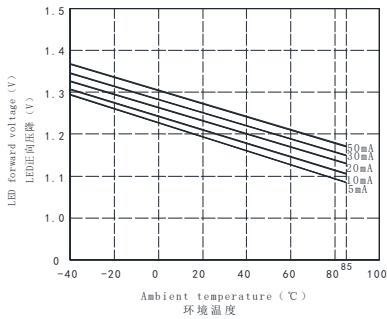
LED operate current Vs. Ambient temperature
接通电流-环境温度曲线



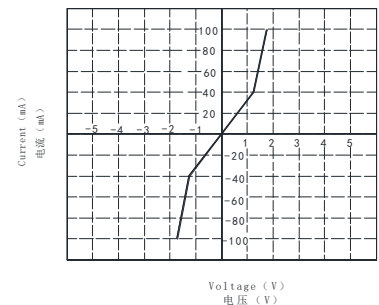
LED turn off current Vs. Ambient temperature
关断电流-环境温度曲线



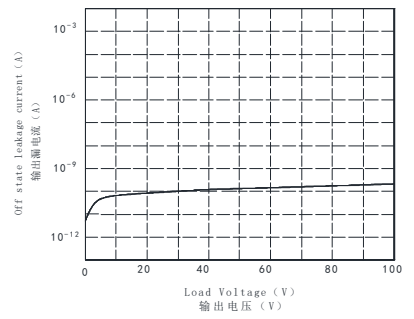
LED forward voltage Vs. Ambient temperature
LED正向电压-环境温度曲线



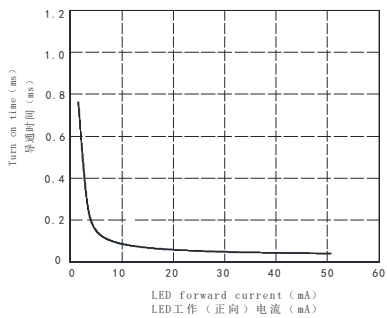
Voltage Vs. current characteristics of output at MOS portion
MOS管输出电压-输出电流曲线



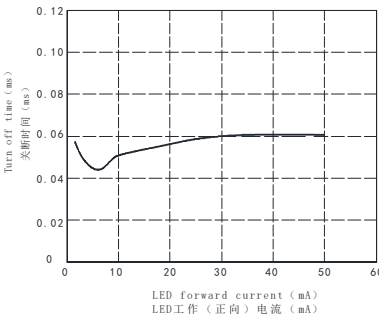
Off state leakage current Vs. Load voltage characteristics
输出漏电流-输出电压曲线



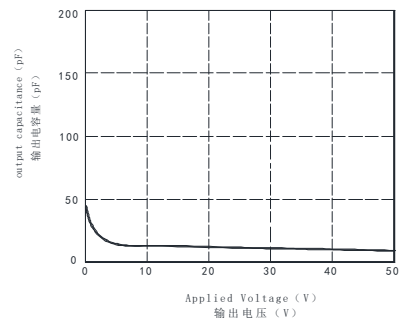
LED forward current Vs. turn on time characteristics
LED正向(工作)电流-导通时间曲线



LED forward current Vs. turn off time characteristics
LED正向(工作)电流-关断时间曲线



Applied voltage Vs. output capacitance characteristics
输出电压-输出电容曲线



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