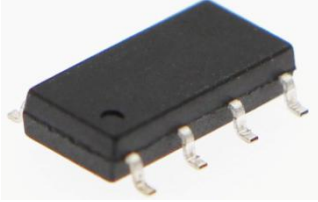




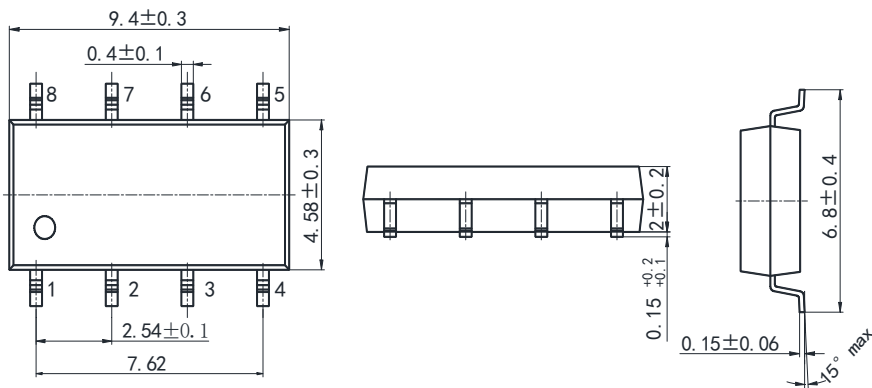
# BCW414S 型光 MOS 继电器

产品图片	Features 产品特性	Application 应用
 <p>SOP8</p>	<ul style="list-style-type: none"> <li>●Contact Form 触点形式 2b</li> <li>●Load Voltage 输出电压 400V</li> <li>●Load Current 输出电流 100mA</li> <li>●Low Off-State Leakage Current 漏电流 10μA</li> </ul>	<ul style="list-style-type: none"> <li>●Electric Vehicle 新能源电动汽车</li> <li>●Automatic Test Equipment 自动检测设备</li> <li>●Security Equipment 安全设备</li> <li>●Sensing Equipment 传感设备</li> <li>●Telephone Equipment 通信设备</li> <li>●I/O Modules I/O 模块</li> <li>●Modem 调制解调器</li> </ul>

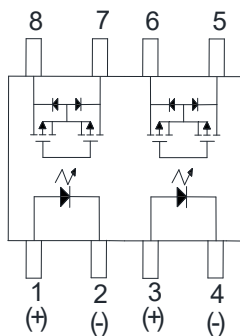
## Type 种类

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		
400V	0.12A	BCW414S	BCW414S

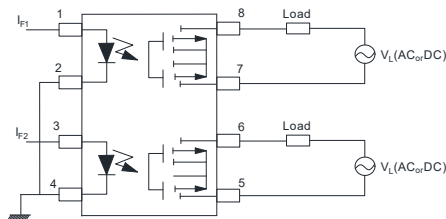
## Dimensions 外形尺寸



## 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

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# BCW414S 型光 MOS 继电器

## 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	$V_L$	400V (AC peak or DC)
	Load Current 输出电流	$I_L$	100mA
	Peak Load Current 峰值输出电流 (1ms, 1 shot)	$I_{PEAK}$	0.3A
	Output Power Dissipation 输出功耗	$P_{OUT}$	500mW
Total Power Dissipation 总功耗		$P_T$	550mW
I/O Breakdown Voltage 输入输出间隔离电压 (RH=60%, 1min)		$V_{I/O}$	1500Vrms
I/O Breakdown Voltage 输入输出间隔离电压 (RH=60%, 1min) (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	$V_F$		1.2	1.4	V	$I_F=10mA$
	Operation LED Current 接通电流	$I_{F ON}$		0.5	3.0	mA	
	Recovery LED Voltage 关断电压	$V_{FOFF}$	0.5			V	
Output 输出	On-Resistance 导通电阻	$R_{ON}$		20	50	$\Omega$	$I_F=0mA, I_L=50mA,$ within 1sec.
	Off-State Leakage Current 漏电流	$I_{LEAK}$			10	$\mu A$	$I_F=5mA, V_L=400V$
	Output Capacitance 输出端容量	$C_{OUT}$		165		pF	$I_F=5mA, V_L=0V,$ f=1MHz
Time parameters 时间参数	Turn-On Time 接通时间	$T_{ON}$		0.02	1.0	ms	$I_F=5mA,$ $I_L=50mA$
	Turn-Off Time 关断时间	$T_{OFF}$		0.5	3.0	ms	
I/O 输入输出	I/O Insulation Resistance 绝缘电阻	$R_{I/O}$	1000			M $\Omega$	DC500V
	I/O Capacitance 隔离电容	$C_{I/O}$		0.8		pF	f=1MHz

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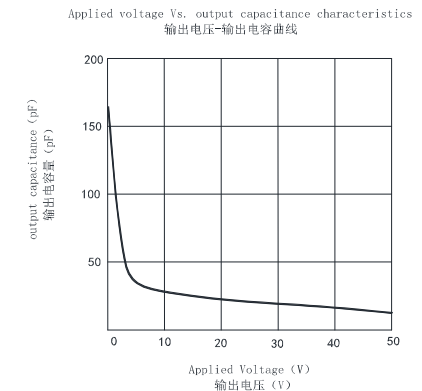
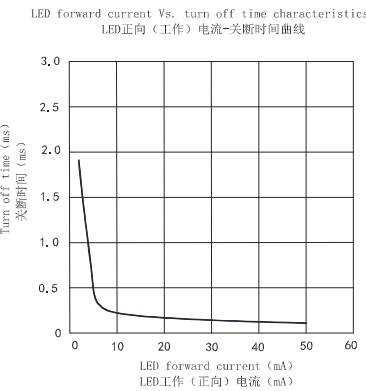
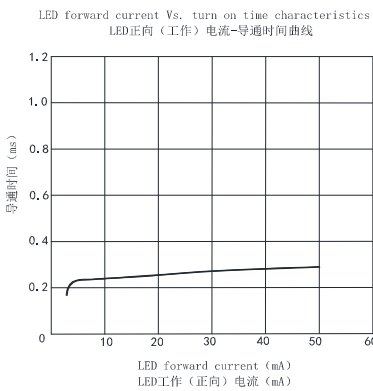
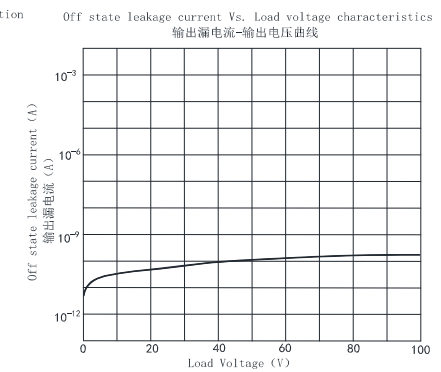
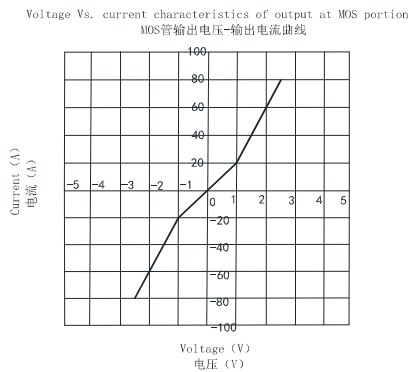
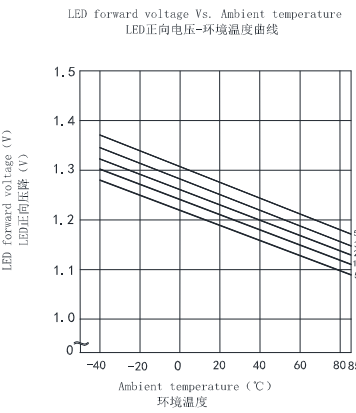
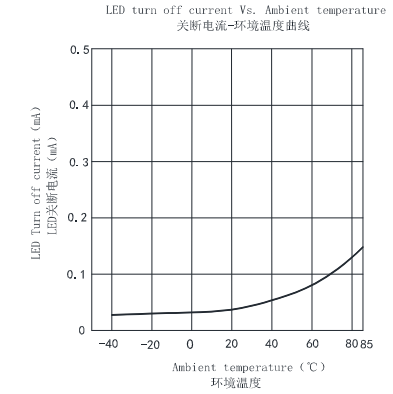
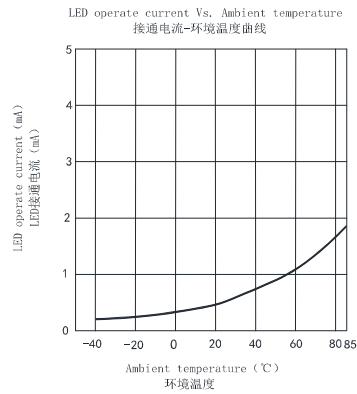
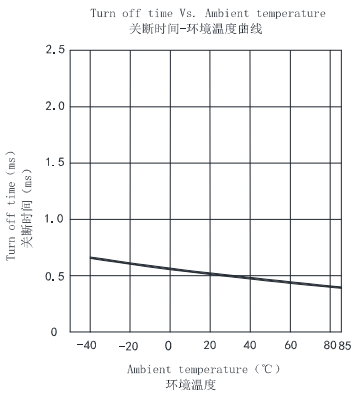
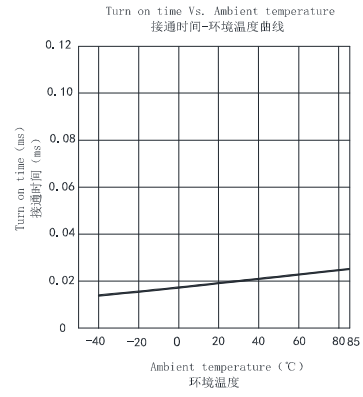
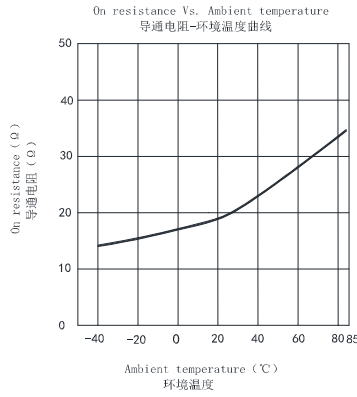
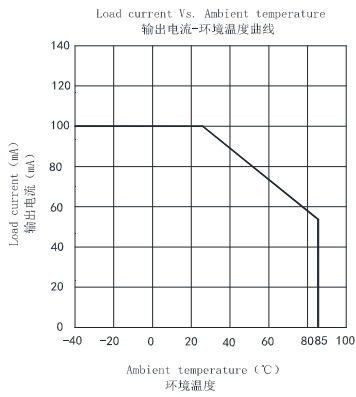
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# BCW414S 型光 MOS 继电器

## Reference Data 参考数值 (BCW414S)



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