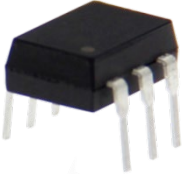




BCV414型光MOS继电器

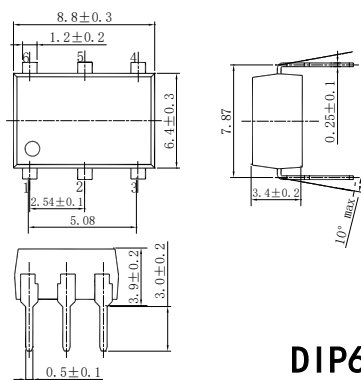
产品图片	Features产品特性	Application应用
 DIP6	●Contact Form 触点形式 1b	●Automatic Test Equipment 自动检测设备
 SMD6	●Load Voltage 输出电压 400V	●Security Equipment 安全设备
	●Load Current 输出电流 100mA	●Sensing Equipment 传感设备
	●Low Off-State Leakage Current 漏电流 10 μA	●Telephone Equipment 通信设备
		●I/O Modules I/O模块
		●Modem 调制解调器

Type 种类

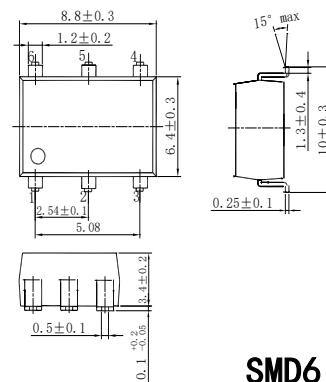
Output rating输出额定		Marking model标 刻型号	Part No. 订货型号	
Load voltage 负载电压	Load current 负载电流		DIP 双列直插	SMD 表面贴装
400V	100mA	BCV414	BCV414	BCV414A

注：表示引脚类型的“A”未标刻在产品上，订货依据订货示例型号。

Dimensions外形尺寸

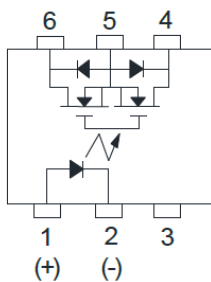


DIP6

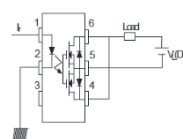
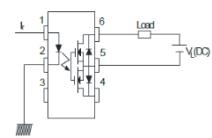
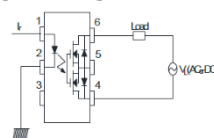


SMD6

Terminal Identification引脚标识



Wiring Diagram 接线图



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



BCV414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}	300mA
	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=10%, 1 min)		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		1.3	1.5	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 _{F OFF}	0.5			V	
Output输出	On-Resistance导通电阻	R _{ON}		20	50	Ω	I _F =0mA, I _L =Rating (with in 1sec.)
	Off-State Leakage Current漏电流	I _{LEAK}			10	μA	I _F =5mA, V _L =Rating
	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}		0.2	1.0	ms	I _F =5mA I _L =100mA
	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			MΩ	DC500V
	I/O Capacitance隔离电容	C _{I/O}		0.8		pF	f=1MHz

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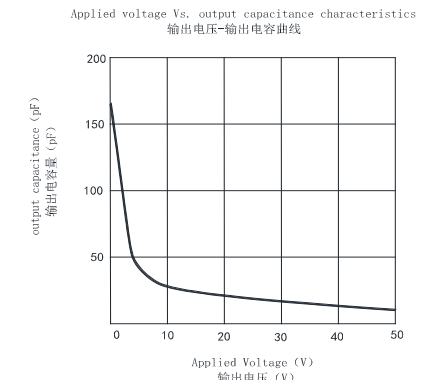
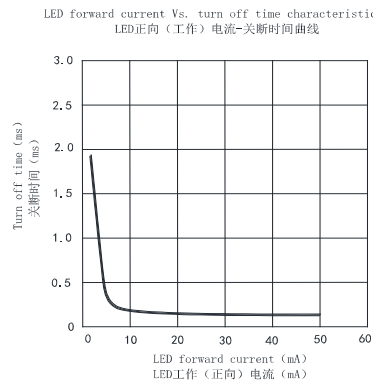
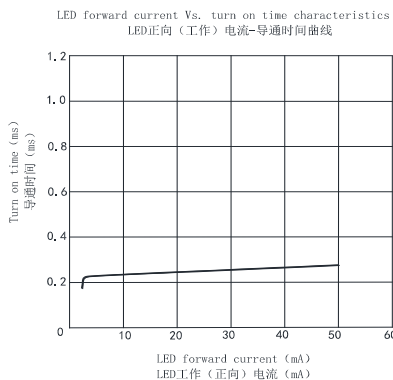
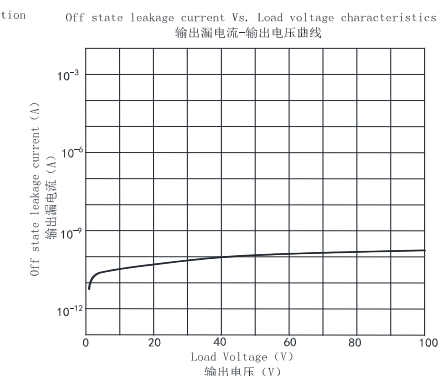
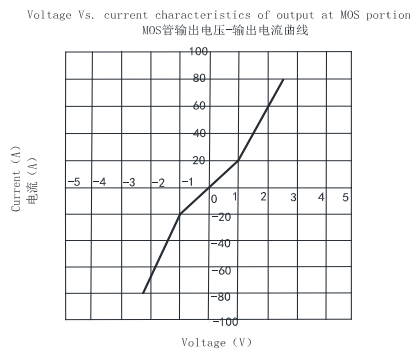
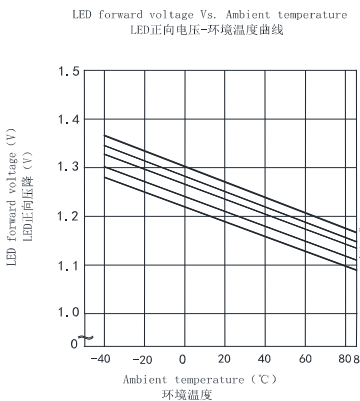
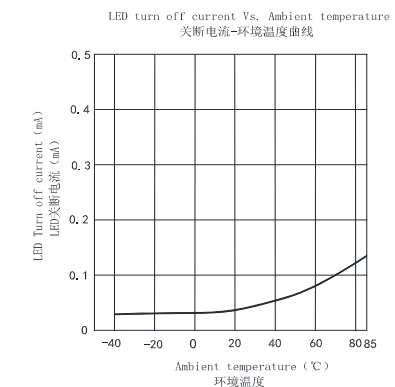
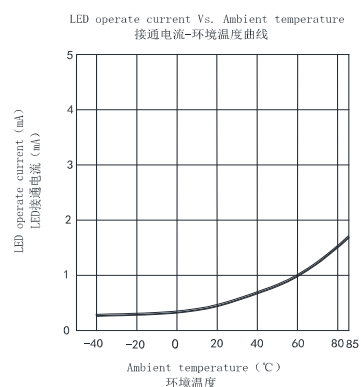
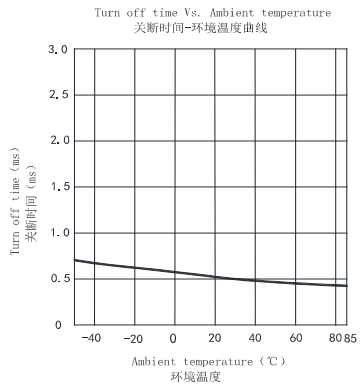
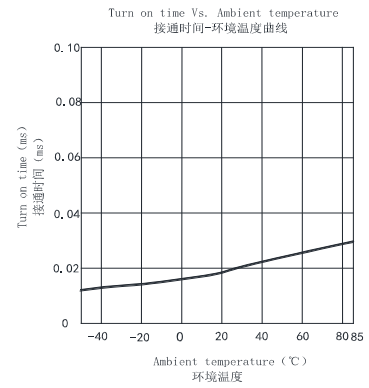
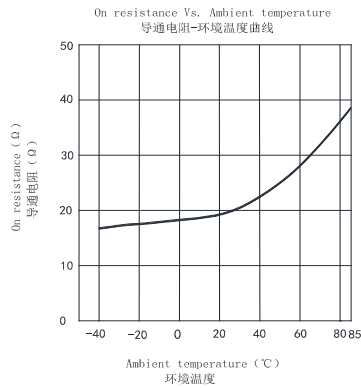
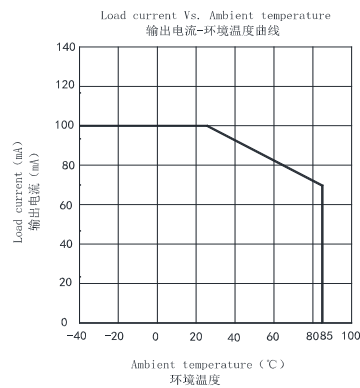
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BCV414型光MOS继电器

Reference Data 参考数值 (BCV414)



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