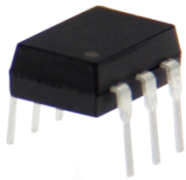
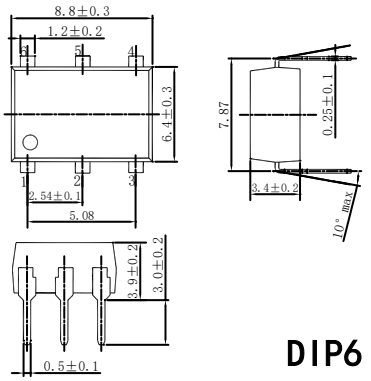
产品图片	Features产品特性	Application应用
 DIP6  SMD6	●Contact Form 触点形式 1b ●Load Voltage 输出电压 400V ●Load Current 输出电流 100mA ●Low Off-State Leakage Current 漏电流 10μA	●Automatic Test Equipment 自动检测设备 ●Security Equipment 安全设备 ●Sensing Equipment 传感设备 ●Telephone Equipment 通信设备 ●I/O Modules I/O模块 ●Modem 调制解调器

Type 种类

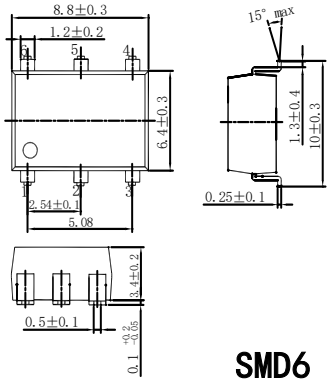
Output rating输出额定		Marking model标刻型号	Part No.订货型号	
Load voltage 负载电压	Load current 负载电流		DIP 双列直插	SMD 表面贴装
400V	100mA	BCV414	BCV414	BCV414A

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

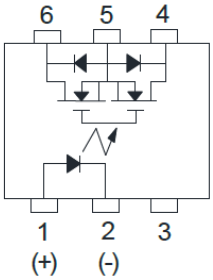


DIP6

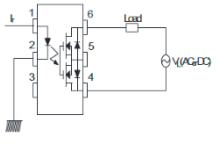


SMD6

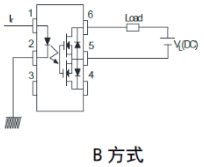
Terminal Identification引脚标识



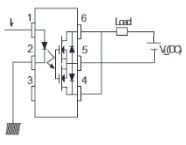
Wiring Diagram 接线图



A 方式



B 方式



C 方式

Technical parameters技术参数（Ambient Temperature 25℃）

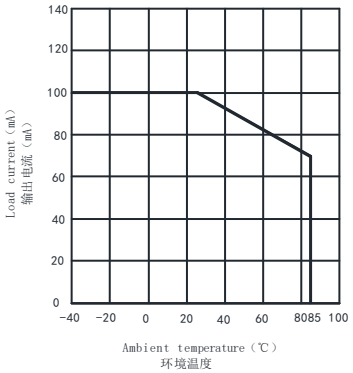
I/O Absolute Maximum Ratings输入输出电气参数最大值

Item项目		Symbol符号	BCV414
Operating Temperature工作温度		T_{OPR}	-40℃～+85℃
Storage Temperature储存温度		T_{STG}	-40℃～+100℃
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

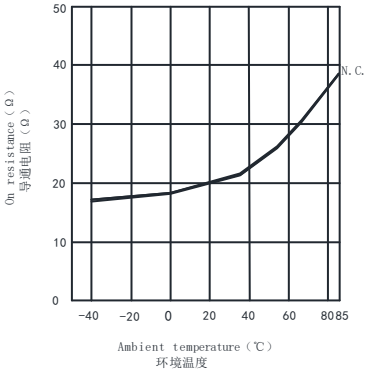
Electrical Specifications输入输出电气参数

Item项目			Symbol 符号	BCV414	Conditions 条件
Input 输入	LED Forward Voltage 正向电压	TYP. 典型值	V_F	1.3V	I_F=10mA
		MAX. 最大值		1.5V	
	Operation LED Current 接通电流	TYP. 典型值	$I_{F\ OFF}$	0.5mA	
		MAX. 最大值		3mA	
	Recovery LED Voltage 关断电压	MIN. 最小值	$V_{F\ OFF}$	0.5V	
Output 输出	On-Resistance 导通电阻	TYP. 典型值	R_{ON}	20Ω	I_F=5mA, I_L= Rating, within 1 sec.
		MAX. 最大值		50Ω	
	Off-State Leakage Current 漏电流	MAX. 最大值	I_{LEAK}	10μA	I_F=5mA, V_L=Rating
	Output Capacitance 输出端容量	TYP. 典型值	C_{OUT}	165pF	I_F=5mA, V_L=0V, f=1MHz
Timeparameters 时间参数	Turn-On Time 接通时间	TYP. 典型值	T_{ON}	0.2ms	I_F=5mA I_L=100mA
		MAX. 最大值		1.0ms	
	Turn-Off Time 关断时间	TYP. 典型值	T_{OFF}	0.5ms	
		MAX. 最大值		3.0ms	
I/O 输入输出	I/O Insulation Resistance 绝缘电阻	MIN. 最小值	$R_{I/O}$	1000MΩ	DC500V
	I/O Capacitance 隔离电容	TYP. 典型值	$C_{I/O}$	0.8pF	f=1MHz

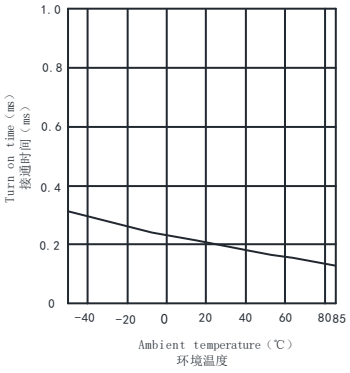
Load current Vs. Ambient temperature
输出电流-环境温度曲线



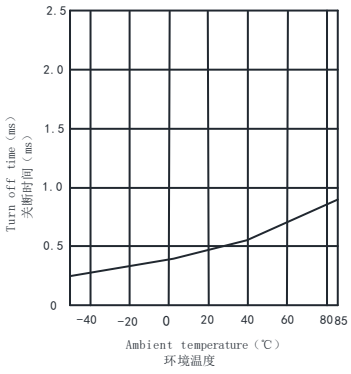
On resistance Vs. Ambient temperature
导通电阻-环境温度曲线



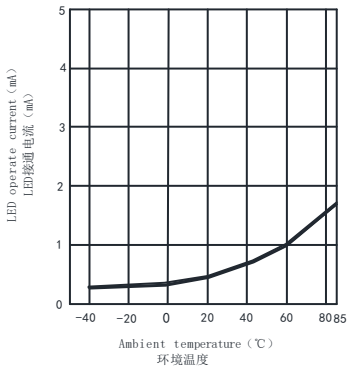
Turn on time Vs. Ambient temperature
接通时间-环境温度曲线



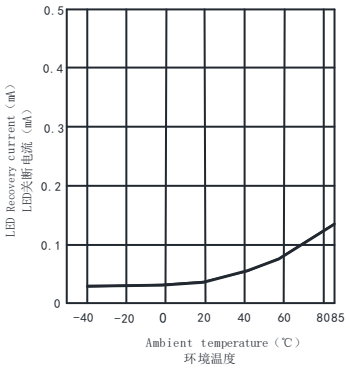
Turn off time Vs. Ambient temperature
关断时间-环境温度曲线



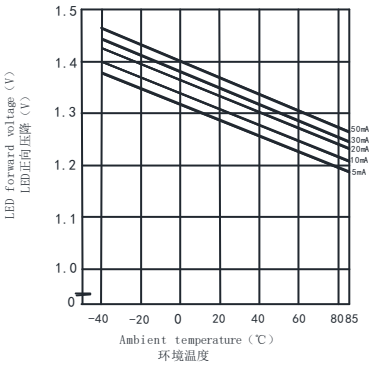
LED operate current Vs. Ambient temperature
接通电流-环境温度曲线



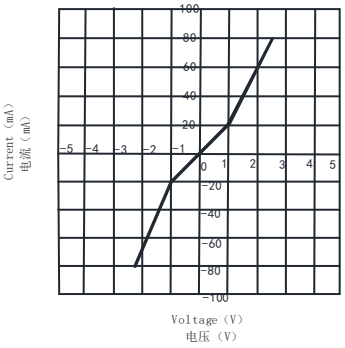
LED Recovery current Vs. Ambient temperature
关断电流-环境温度曲线



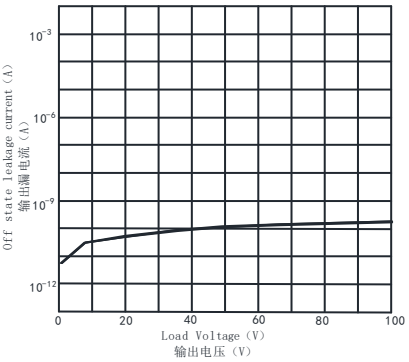
LED forward voltage Vs. Ambient temperature
LED正向电压-环境温度曲线



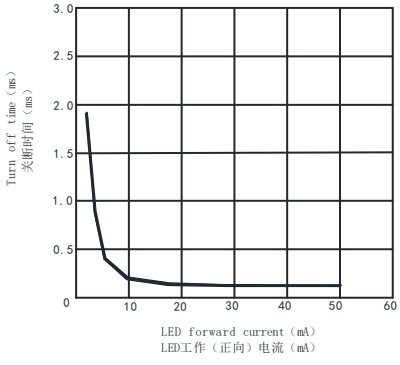
Voltage Vs. current characteristics of output at MOS portion
MOS管输出电压-输出电流曲线



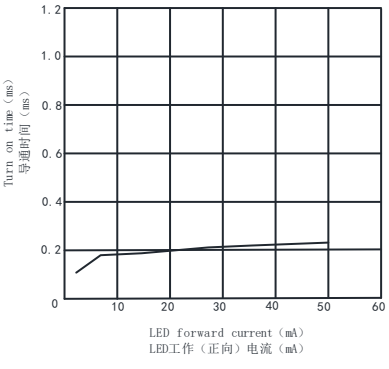
Off state leakage current Vs. Load voltage characteristics
输出漏电流-输出电压曲线



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



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



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

