





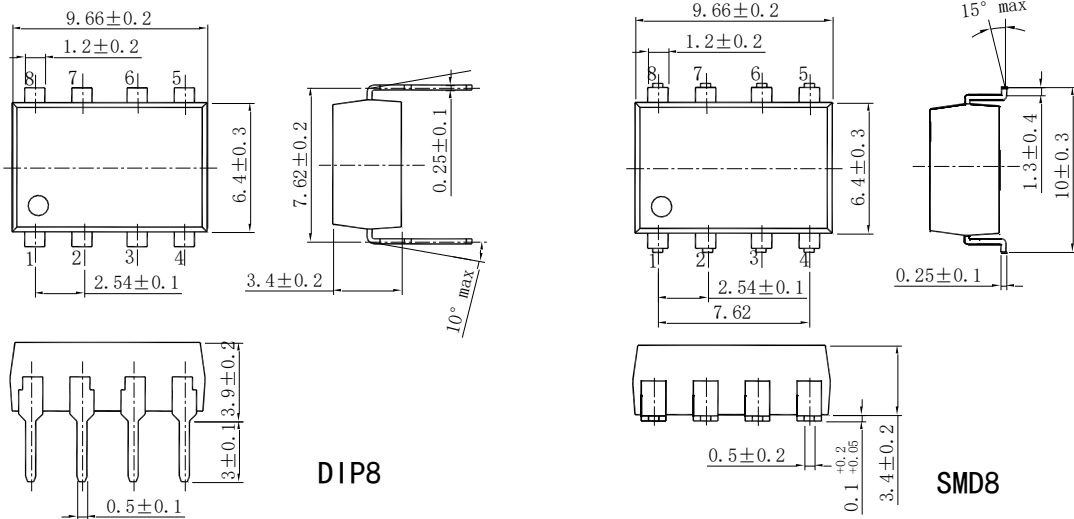
| 产品图片   | Features 产品特性  | Application 应用  |
|--|--|---|
| <br><b>DIP8</b><br><br><b>SMD8</b> | <ul style="list-style-type: none"> <li>●Contact Form<br/>触点形式 2a</li> <li>●Load Voltage<br/>输出电压 600V</li> <li>●Load Current<br/>输出电流 0.08A</li> <li>●Low Off-State Leakage Current<br/>漏电流 1μA</li> </ul> | <ul style="list-style-type: none"> <li>●Automatic Test Equipment<br/>自动检测设备</li> <li>●Telephone Equipment<br/>通信设备</li> <li>●Sensing Equipment<br/>传感设备</li> <li>●Security Equipment<br/>安全设备</li> <li>●I/O Modules<br/>I/O 模块</li> <li>●Modem<br/>调制解调器</li> </ul> |

## Type 种类

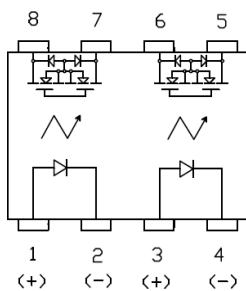
| Output rating 输出额定   |                      | Marking model<br>标刻型号 | Part No. 订货型号 |             |
|----------------------|----------------------|-----------------------|---------------|-------------|
| Load voltage<br>负载电压 | Load current<br>负载电流 |                       | DIP<br>双列直插   | SMD<br>表面贴装 |
| 600V                 | 0.08A                | BCW216                | BCW216        | BCW216A     |

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。

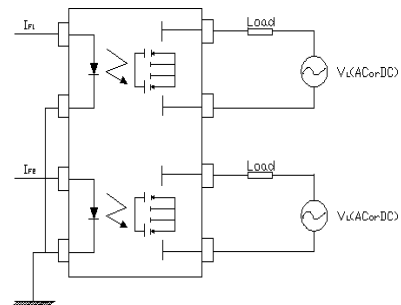
## Dimensions 外形尺寸



## Terminal Identification 引脚标识



## Wiring Diagram 接线图





## 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

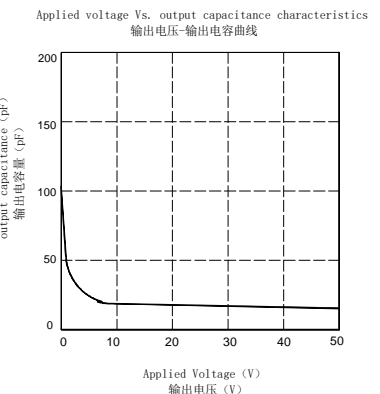
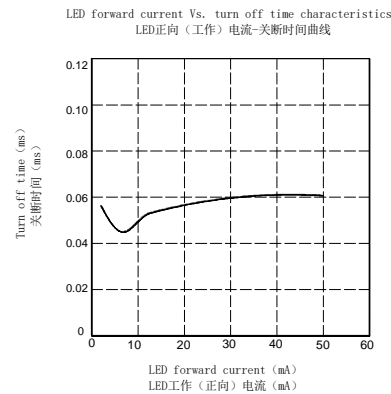
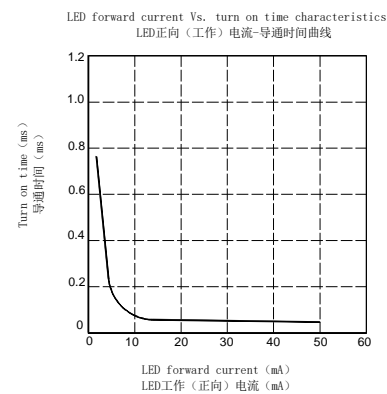
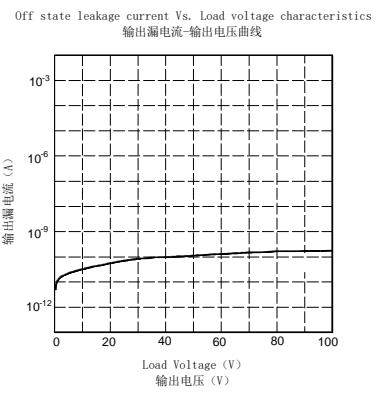
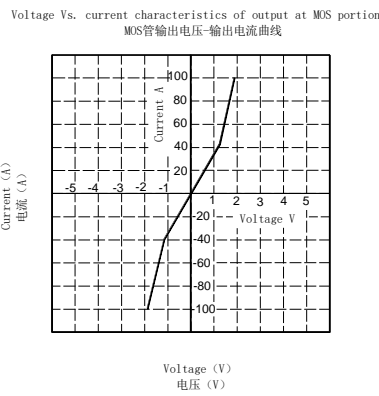
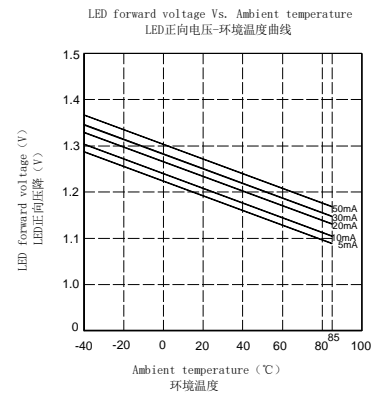
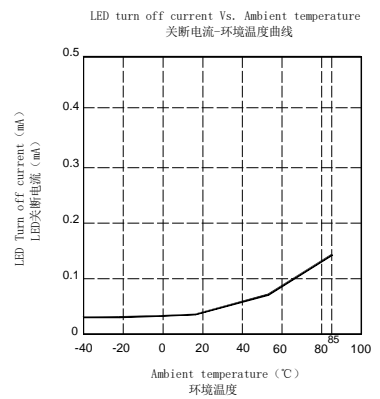
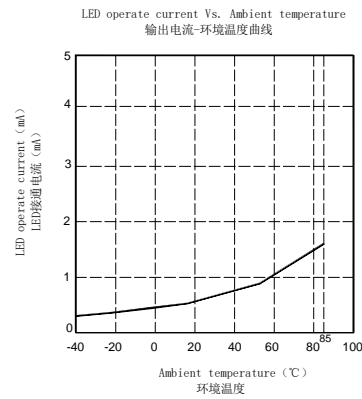
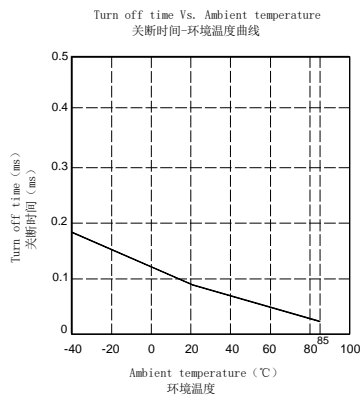
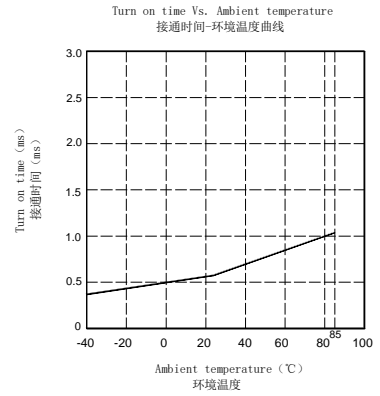
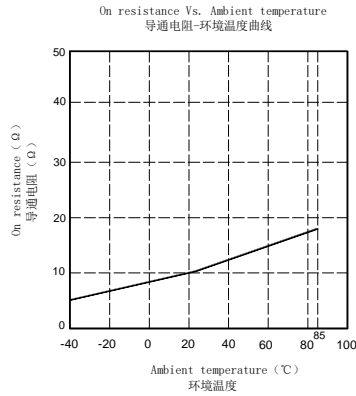
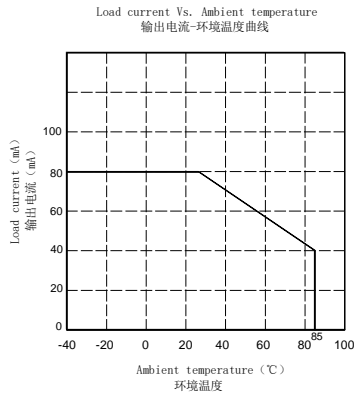
| Item 项目                         | Symbol 符号                                       | BCW216       |            |                      |
|---------------------------------|---|--------------|------------|----------------------|
| Operating Temperature 工作温度      | $T_{OPR}$                                       | -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                     | MAX. 最大值     | $I_F$      | 50mA                 |
|                                 | Peak LED Current LED 峰值电流<br>(f=100Hz, Duty=1%) | MAX. 最大值     | $I_{FP}$   | 1000mA               |
|                                 | LED Reverse Voltage 反向电压                        | MAX. 最大值     | $V_R$      | 5V                   |
|                                 | Input Power Dissipation 输入功耗                    | MAX. 最大值     | $P_{IN}$   | 75mW                 |
| Output 输出                       | Load Voltage 输出电压                               | MAX. 最大值     | $V_L$      | 600V (AC peak or DC) |
|                                 | Load Current 输出电流                               | MAX. 最大值     | $I_L$      | 0.08A                |
|                                 | Peak Load Current 峰值输出电流<br>(100ms, 1shot)      | MAX. 最大值     | $I_{PEAK}$ | 0.12A                |
|                                 | Output Power Dissipation 输出功耗                   | MAX. 最大值     | $P_{OUT}$  | 450mW                |
| Total Power Dissipation 总功耗     | MAX. 最大值  | $P_T$        | 500mW      |                      |
| I/O Breakdown Voltage 输入输出间隔离电压 | MAX. 最大值  | $V_{I/O}$    | 3750Vrms   |                      |

## Electrical Specifications 输入输出电气参数

| Item 项目                   | Symbol 符号                      | BCW216      | Conditions 条件 |            |
|---------------------------|--------------------------------|-------------|---------------|------------|
| Input 输入                  | LED Forward Voltage 正向电压       | TYP. 典型值    | 1.2V          |            |
|                           |                                | MAX. 最大值    | 1.5V          |            |
|                           | Operation LED Current 接通电流     | TYP. 典型值    | 0.5mA         | $I_F=10mA$ |
|                           |                                | MAX. 最大值    | 5mA           |            |
| Recovery LED Voltage 关断电压 | MIN. 最小值                       | $V_{F OFF}$ | 0.7V          |            |
| Output 输出                 | On-Resistance 导通电阻             | TYP. 典型值    | 35Ω           |            |
|                           |                                | MAX. 最大值    | 70Ω           |            |
|                           | Off-State Leakage Current 漏电流  | MAX. 最大值    | $I_{LEAK}$    | 1μA        |
| Output Capacitance 输出端容量  | TYP. 典型值                       | $C_{OUT}$   | 100pF         |            |
| Timeparameters 时间参数       | Turn-On Time 接通时间              | TYP. 典型值    | 0.5ms         |            |
|                           |                                | MAX. 最大值    | 1ms           |            |
|                           | Turn-Off Time 关断时间             | TYP. 典型值    | $T_{OFF}$     | 0.02ms     |
|                           |                                | MAX. 最大值    | 0.2ms         |            |
| I/O 输入输出                  | I/O Insulation Resistance 绝缘电阻 | MIN. 最小值    | $R_{I/O}$     | 1000MΩ     |
|                           | I/O Capacitance 隔离电容           | TYP. 典型值    | $C_{I/O}$     | 0.8pF      |



## Reference Data 参考数值 (BCW216)



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 18609177833

传 真: (0917)-6293969