

BC-4RYG9SW021WKP65

4.3 卡

Description 产品描述:

- **5mm Round Lamp** **4mm** 三脚红、黄绿双色共阳发光二极管
- **Lens Color** 胶体颜色: 白色散射
- **Emission Color** 发光颜色: **Red** 红色 (阴极短脚) **Yellow Green** 黄绿色 (阴极长脚)
- **Viewing Angle** 半功率视角: 65°
- **No Stopper** 无卡位
- **Dice Material** 晶片材质: **InGaN**

Absolute Maximum Ratings($T_a=25^\circ\text{C}$)最大限度性能参数($T_a=25^\circ\text{C}$)

| Items 项目 | Symbol 符号 | Absolute maximum Rating 最大限度 | Unit 单位 |
|-----------------------------------|-----------|--|---------|
| DC Forward Current 正向电流* | I_F | 20 | mA |
| Peak Forward Current*正向峰值电流 | I_{FP} | 100 | mA |
| Reverse Voltage 反向电压 | V_R | 5 | V |
| Power Dissipation 消耗功率 | P_D | 75 | mW |
| Operation Temperature 工作温度 | T_{opr} | -40~+85 | °C |
| Storage Temperature 储存温度 | T_{stg} | -40~+100 | °C |
| Lead Soldering Temperature 焊锡温 | T_{sol} | Max. 260°C for 5 sec Max. (3mm from the base of the epoxy bulb)最大 260°C 5 秒钟以内. (自胶体底部 | |

*pulse width \leq 0.1msec duty \leq 1/10 脉冲宽度 \leq 0.1msec 占空比 \leq 1/10

Typical Electrical & Optical Characteristics($T_a=25^\circ\text{C}$)产品光电特性($T_a=25^\circ\text{C}$)

| 项目 | 符号 | 条件 | 最小值 | 平均值 | 最大值 | 单位 |
|-------------------------|------------------|-------------------|-----|------|-----|---------------|
| Forward Voltage 正向电压 | V_F (红) | $I_F=20\text{mA}$ | --- | 1.84 | --- | V |
| | V_F (黄绿) | $I_F=20\text{mA}$ | --- | 2.2 | --- | V |
| Reverse Current 反向电流 | I_R (红) | $V_R=5\text{V}$ | --- | --- | 10 | μA |
| | I_R (黄绿) | $V_R=5\text{V}$ | --- | --- | 10 | μA |
| Color Temperature 色温 | CCT | $I_F=20\text{mA}$ | N/A | N/A | N/A | K |
| Dominant Wavelength 主波长 | λ_D (红) | $I_F=20\text{mA}$ | --- | 645 | --- | nm |
| | λ_D (黄绿) | $I_F=20\text{mA}$ | --- | 570 | --- | nm |
| Luminous Intensity 发光强度 | I_V (红) | $I_F=20\text{mA}$ | --- | 35 | --- | mcd |
| | I_V (黄绿) | $I_F=20\text{mA}$ | --- | 35 | --- | mcd |
| 50% power Angle 半功率角度 | 201/2H-H | $I_F=20\text{mA}$ | N/A | 65 | N/A | deg |
| | 201/2V-V | $I_F=20\text{mA}$ | N/A | N/A | N/A | deg |

Rank Combination (IF=20mA)档次分类(IF=20mA)

*Measurement Uncertainty of Luminous Intensity: $\pm 10\%$

亮度误差 $\pm 10\%$

| | | | | |
|------------------------------|-------|--------|--|--|
| Luminous Rank 亮度分类 | 30-40 | 30-40 | | |
| | √ (红) | √ (黄绿) | | |

Unit 单位:mcd

| | | | | |
|---------------------------------------|---------|---------|--|--|
| Forward Voltage Rank 工作电压分类 | 1.8-2.0 | 2.1-2.3 | | |
| | √ (红) | √(黄绿) | | |

*Measurement Uncertainty of Forward Voltage: $\pm 0.1V$

电压误差 $\pm 0.1V$

Unit 单位:V

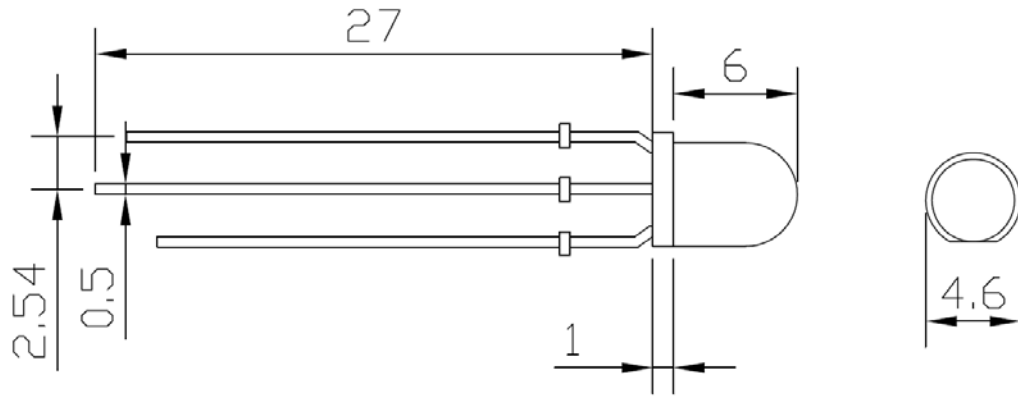
| | | | | |
|---|---------|---------|--|--|
| DominantWavelength Rank 主波长分类 | 640-650 | 570-573 | | |
| | (红) √ | (黄绿) √ | | |

*Measurement Uncertainty of Dominant Wavelength $\pm 1.0nm$

主波长误差 $\pm 1.0nm$

Unit 单位:nm

Outline Drawing 外形图:



NOTES 备注:

1. All dimensions area in mm tolerance is $\pm 0.25\text{mm}$ unless otherwise noted. 所有尺寸单位为 mm, 如无特殊说明误差范围为 ± 0.25 mm.
2. An epoxy meniscus may extend about 0.5mm down the leads. 胶体沿支架延伸不可超过 0.5 mm.
3. Burr around bottom of epoxy may be 0.5mm max. 多胶不超过 0.5mm.