

BC-4RYG9HW021WKP60

3.4 卡

Description 产品描述:

- **4mm Round Lamp** 4 mm 圆头灯
- **Lens Color** 胶体颜色: White diffused 白色散射
- **Emission Color** 发光颜色: **High Bright Red And Green** 高亮红光和黄绿光
- **Viewing Angle** 半功率视角: **60°**
- **No Stopper** 无卡位
- **Dice Material** 晶片材质: **AlGaInP**

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 | 30 | mA |
| Peak Forward Current*正向峰值电流 | I_{FP} | 120 | mA |
| Reverse Voltage 反向电压 | V_R | 5 | V |
| Power Dissipation 消耗功率 | P_D | 72 | 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 焊锡温度 | 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 3mm 以下) | |

*pulse width \leq 0.1msec d uty \leq 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($T_a=25^\circ\text{C}$)

| Items 项目 | Symbol 符号 | Condition 条件 | Min. 最小值 | Typ. 平均值 | Max. 最大值 | Unit 单位 | |
|-------------------------|-------------|-------------------|----------|----------|----------|---------------|-----|
| Forward Voltage 正向电压 | V_F | $I_F=20\text{mA}$ | --- | 2.0 | 2.4 | V | |
| Reverse Current 反向电流 | I_R | $V_R=5\text{V}$ | --- | --- | 10 | μA | |
| Dominant Wavelength 主波长 | λ_D | $I_F=20\text{mA}$ | R | --- | 635 | --- | nm |
| | | | YG | --- | 571 | --- | |
| Luminous Intensity 发光强度 | I_V | $I_F=20\text{mA}$ | R | --- | 15 | --- | mcd |
| | | | YG | --- | 30 | --- | |
| 50% power Angle 半功率角度 | 201/2H-H | $I_F=20\text{mA}$ | --- | 60 | --- | deg | |
| | 201/2V-V | $I_F=20\text{mA}$ | --- | --- | --- | deg | |



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

| | | | | |
|------------------------------|-------------|--------------|--|--|
| Luminous Rank 亮度分类 | R:15 | YG:30 | | |
| | | | | |

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

Unit 单位:mcd

| | | | | |
|---------------------------------------|------------------|-------------------|--|--|
| Forward Voltage Rank 工作电压分类 | R:1.8-2.0 | YG:2.1-2.3 | | |
| | | | | |

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

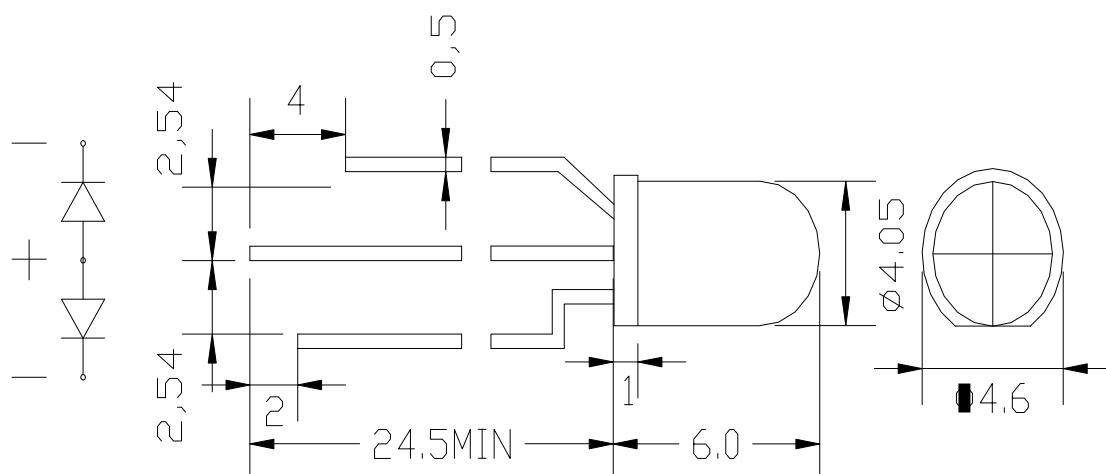
Unit 单位:V

| | | | | |
|--|------------------|------------------|--|--|
| Dominant Wavelength Rank 主波长分类 | R:620-630 | G:570-575 | | |
| | | | | |

*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 ± 0.25 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.