

VISIBLE LED

1.ELEMENT APPEARANCE

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| Model No. | Material | Lighting Color | Resin Color |
|----------------|-----------|----------------|-------------|
| RT-COBV1090-1W | InGaN/GaN | Violet | Water Clear |

2.ABSOLUTE MAXIMUM RATINGS AT Ta=25°C

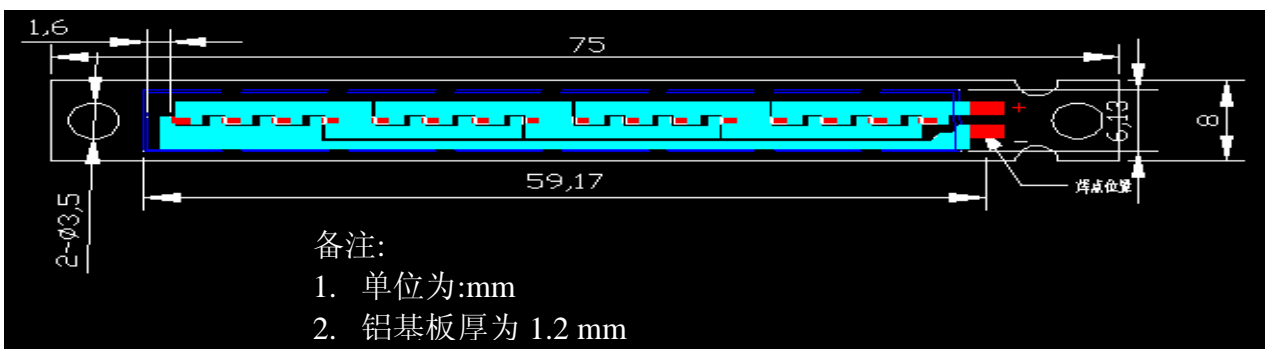
| Characteristic | Symbol | Rating | Unit |
|---|--------|-------------|------|
| Forward direct current | IFM | 100 | mA |
| Reverse voltage | VRM | 4 | V |
| Operating temperature | Topr | -25 to +85 | °C |
| Storage temperature | Tstg | -25 to +100 | °C |
| Power dissipation | Pd | 1200 | mW |
| Lead soldering temperature (3mm from body) 260°C for 5sec. | | | |

3.ELECTRO-OPTICAL CHARACTERISTICS AT Ta=25°C

| Characteristic | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---------------------|--------|-----------|------|------|------|------|
| Radiant flux | Iv | IF= 80mA | | 216 | | mW |
| Forward voltage | VF | IF= 80 mA | | 12 | | V |
| Reverse current | IR | VR=20V | | | 5 | μ A |
| Dominant wavelength | λ P | IF=80mA | 380 | - | 385 | nm |



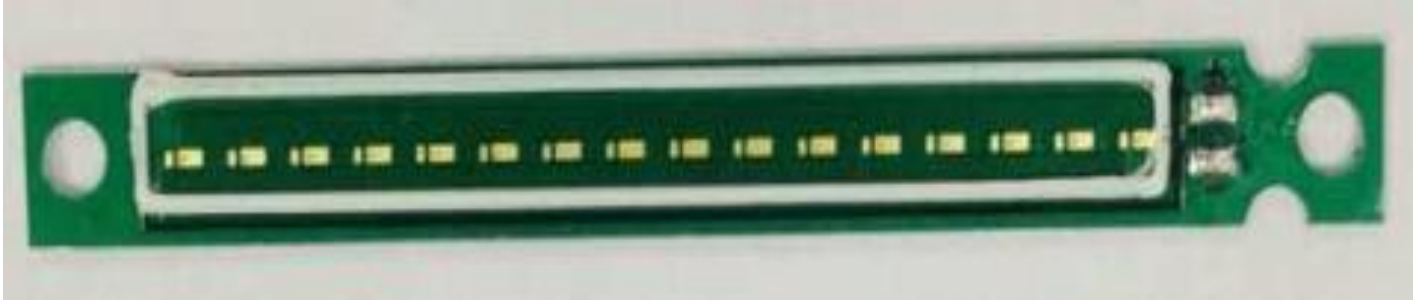
4.Layout



Model : RT-COBV090

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5. 实物图



6. 注意事项:

- 6.1 焊接时烙铁的温度为 350-400 在右，焊接时间为 3 秒。
- 6.2 该产品为玻璃封盖，装卸必须轻拿轻放，防止重压。
- 6.3 在安装操作上，须带手套，避免有手印，刮伤或尽杂物留在玻璃表面上，影响产品的发光强度。



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|----------|-------|
| APPROVAL | STAMP |
| | |

| | |
|----------|--------------------|
| MESSRS: | |
| ARTICLE: | RT-COBV1090 |
| DATE: | 2015-6-13 |

| | | |
|----------|--------|---------|
| APPROVED | DESIGN | DRAWING |
| | | 黄云艳 |