



---

---

---

---

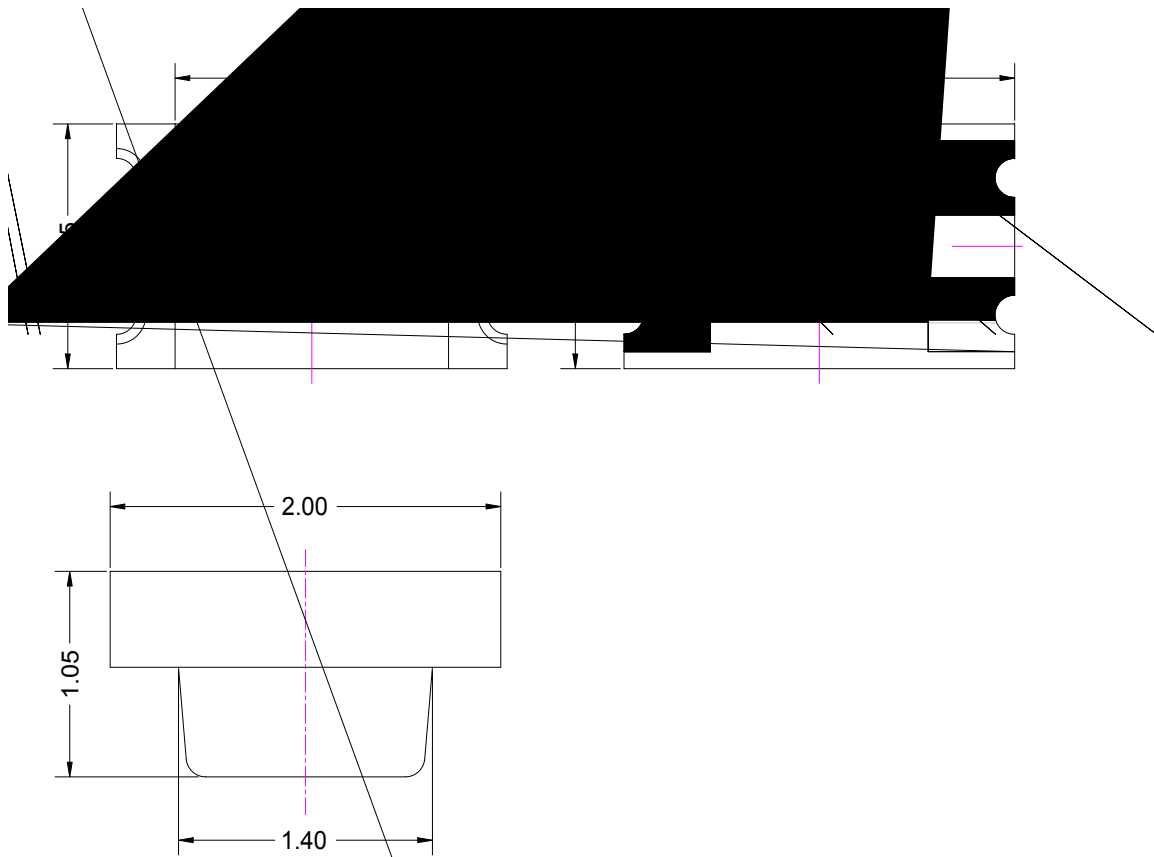
---

|        |           |            |           |
|--------|-----------|------------|-----------|
|        |           |            |           |
|        |           |            |           |
| Wen Li | Fang Yang | Jiang Yang | Fang Wang |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |



Tolerance: 0.25(0.01)





### 3 Characteristic

|                                  |     |         |    |
|----------------------------------|-----|---------|----|
| Forward current                  | If  | 30      | mA |
| Reverse voltage                  | Vr  | 5       | V  |
| Power dissipation                | Pd  | 110     | mW |
| Operating temperature range      | Top | -25 +80 | C  |
| Storage temperature range        | Tg  | -30 +80 | C  |
| Peak pulsing current 1/8 d f=1KH | Ifp | 125     | mA |

|                             |         |      |     |      |      |     |
|-----------------------------|---------|------|-----|------|------|-----|
| Wavelength at peak emission | If=20mA | peak | 620 | 625  | 630  | nm  |
|                             |         |      | 515 | 520  | 525  |     |
|                             |         |      | 460 | 465  | 470  |     |
| Spectral half bandwidth     | If=20mA |      |     | 10   |      |     |
|                             |         |      | 1.8 | 2.0  | 2.4  |     |
| Forward voltage             | If=20mA | Vf   | 3.0 | 3.3  | 3.6  | V   |
|                             |         |      | 3.0 | 3.3  | 3.6  |     |
| Luminous intensity          | If=20mA | I    | 400 | 550  | 650  | mcd |
|                             |         |      | 800 | 1100 | 1300 |     |
|                             |         |      | 200 | 250  | 350  |     |
| Viewing angle at 50% IV     | If=10mA |      | --  | 120  | --   | Deg |

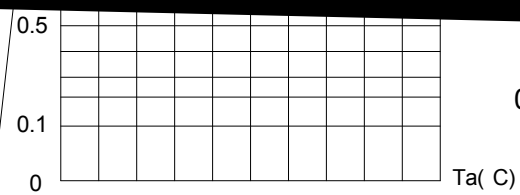


Fig.3 Relasi  $I_f$  (mA) terhadap  $T_a$  (°C)

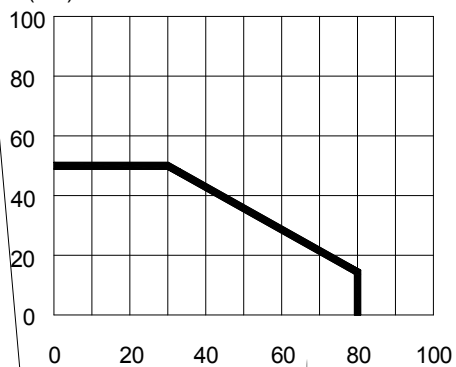


Fig.5 Maximum Forward Current vs Ambient Temperature

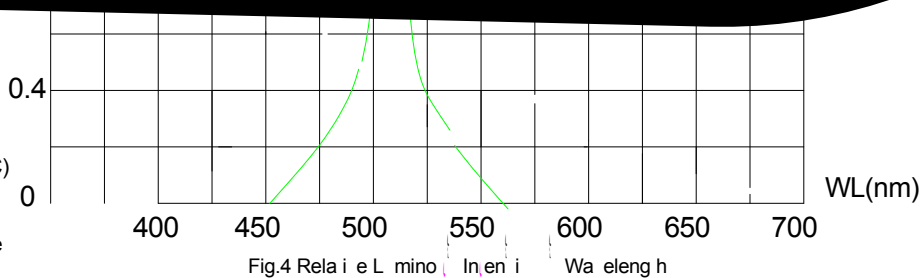
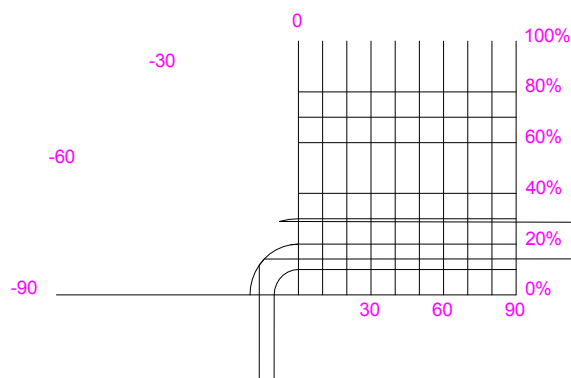
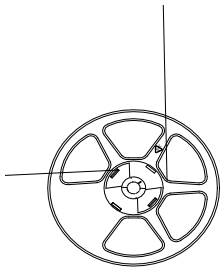
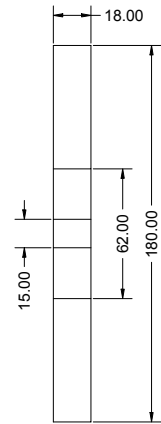
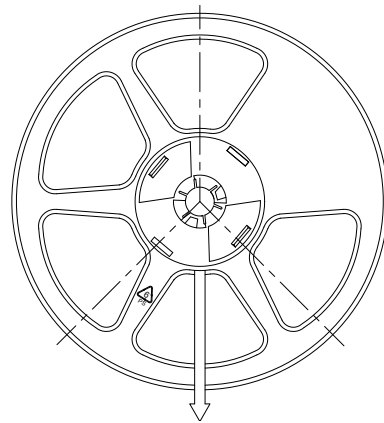
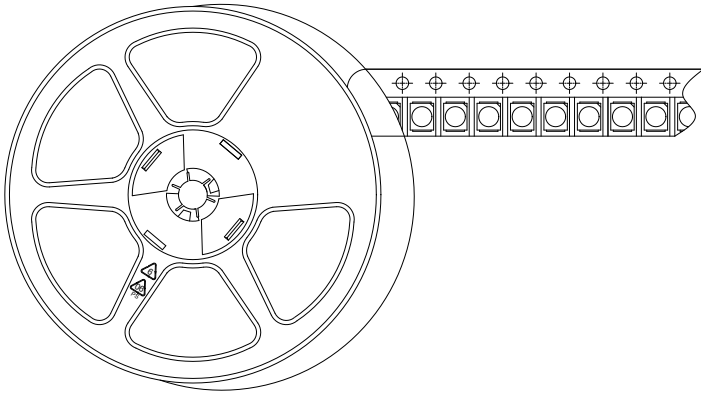


Fig.4 Relasi  $I_f$  (mA) terhadap  $WL$  (nm)

Direct Characteristic







Diameter: 180.0mm  
Width: 18mm  
SMD0805R 4000pc /Reel  
An i-S a ic Shielding  
Black Reel

An i-S a ic Shielding  
1 Reel / Bag (T=0.1mm)

10 Bag / 1 Inner Bo  
SMD0805R  
40,000pc /Inner Bo