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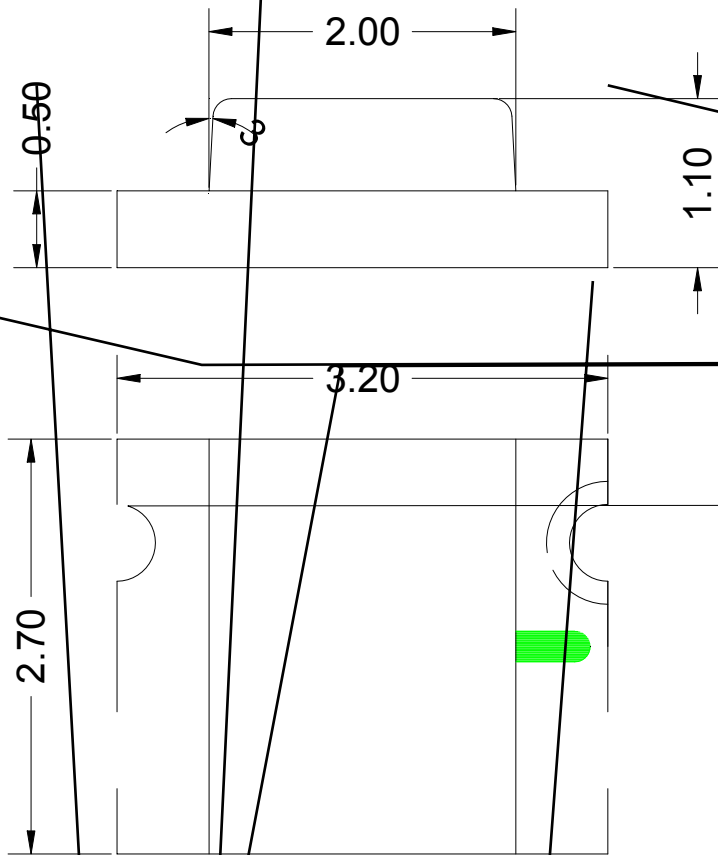
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|        |           |            |           |
|--------|-----------|------------|-----------|
|        |           |            |           |
|        |           |            |           |
| Wen Li | Fang Yang | Jiang Yang | Fang Wang |

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



Tolerance: 0.25(0.01)



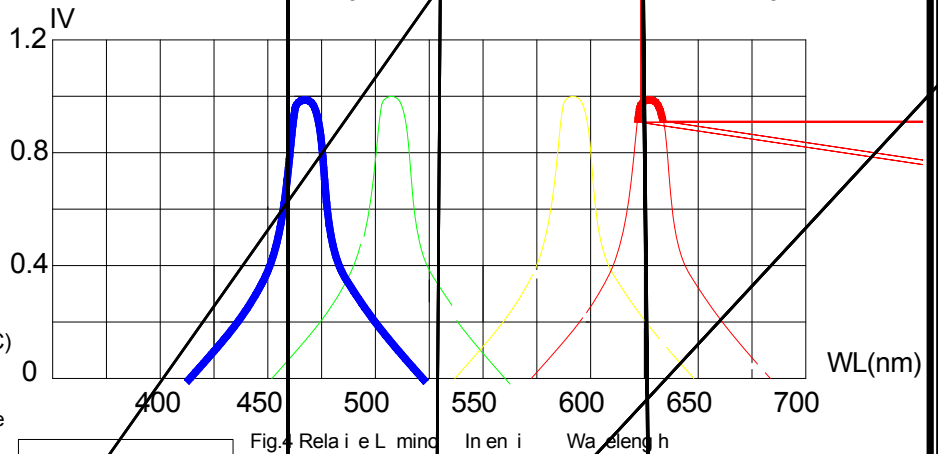
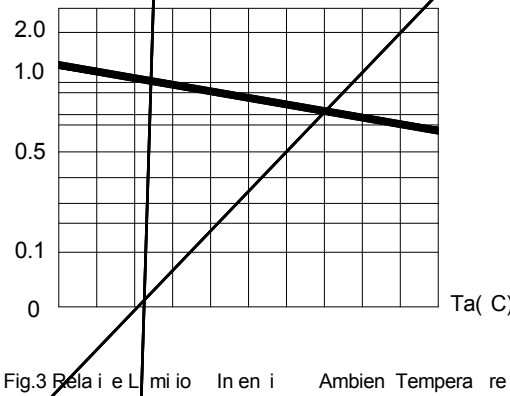
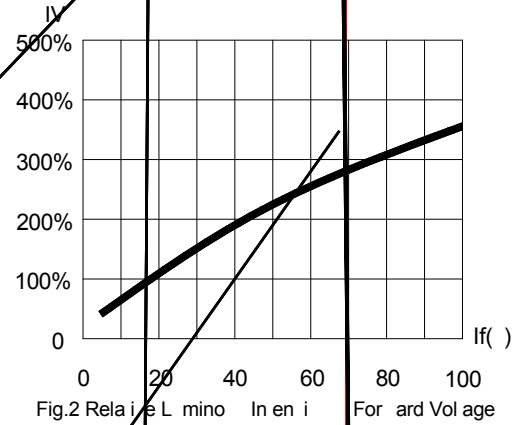
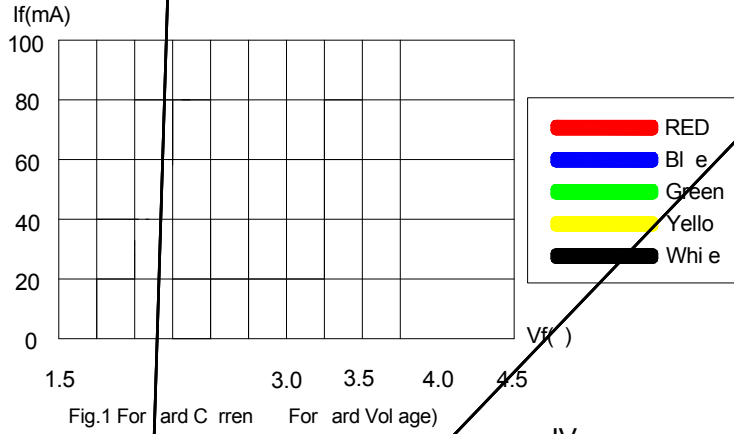


### 3 Characteristic

|                                 |         |         |         |     |     |     |
|---------------------------------|---------|---------|---------|-----|-----|-----|
|                                 |         |         |         |     |     |     |
|                                 |         |         |         |     |     |     |
|                                 |         |         |         |     |     |     |
| 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       |         | T g     | -30 +80 | C   |     |     |
| Peak pulsed 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  |     |     |
| Forward voltage                 | If=20mA | Vf      | 1.8     | 2.0 | 2.4 | V   |
|                                 |         |         | 3.0     | 3.3 | 3.6 |     |
|                                 |         |         | 3.0     | 3.3 | 3.6 |     |
| Luminous intensity              | If=20mA | I       | 200     | 300 | 400 | mcd |
|                                 |         |         | 450     | 600 | 700 |     |
|                                 |         |         | 150     | 250 | 350 |     |
|                                 |         |         | 200     | 300 | 400 |     |
|                                 |         |         | 450     | 600 | 700 |     |
|                                 |         |         | 150     | 300 | 350 |     |
| Viewing angle at 50% IV         | If=10mA |         | --      | 120 | --  | Deg |
| Reverse current                 | Vr=5V   | Ir      | --      | --  | 5   | A   |
| Useful life                     | -       | IF=20mA | 100000  |     |     | H   |



# Typical Electrical/Optical Characteristic Curve (Ta=25 Unless Otherwise Noted)



## Direct Emission Characteristic

