



**4、 Absolute maximum ratings (Ta = 25°C):**

| Parameter             | Symbol | Test Condition | Value |      | Unit |
|-----------------------|--------|----------------|-------|------|------|
|                       |        |                | Min.  | Max. |      |
| Power Dissipation     | Pd     | —              | —     | 180  | mW   |
| Reverse Voltage       | VR     | IR = 30 μ A    | 5     | —    | V    |
| Pulse Current         | IFp    | Duty=0.1, 1kHz | —     | 100  | mA   |
| Forward Current       | IFm    | —              | —     | 25   | mA   |
| Operating Temperature | Topr   | —              | -40   | +85  | °C   |
| Storage Temperature   | Tstr   | —              | -40   | +100 | °C   |

**5、 Electrical and optical characteristics (Ta = 25°C):**

| Parameter          | Symbol  | Test Condition | Value |      |      | Unit |
|--------------------|---------|----------------|-------|------|------|------|
|                    |         |                | Min.  | Typ. | Max. |      |
| Forward Voltage    | VF      | IF = 60mA      | 1.8   | —    | 2.6  | V    |
| Reverse Current    | IR      | VR = 5V        | —     | —    | 30   | μ A  |
| Wavelength         | Tc      | IF = 60mA      | 619   | 624  | 629  | nm   |
| Luminous Intensity | Iv      | IF = 60mA      | 700   | 1100 | —    | mcd  |
| Viewing Angle      | 2 θ 1/2 | IF = 60mA      | —     | 120  | —    | Deg. |