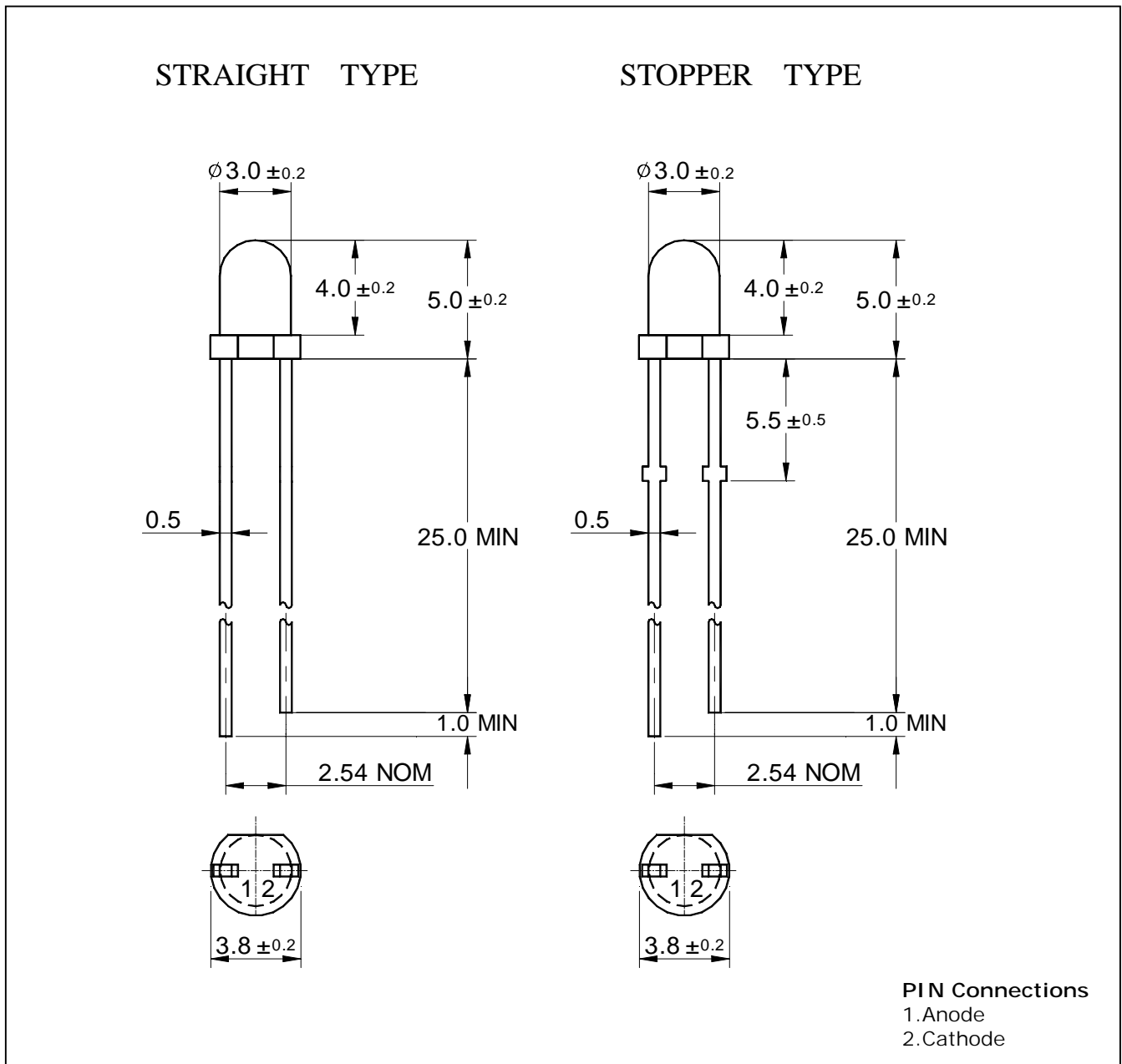


**Features**

- Yellow colored diffusion transparency lens type
- $\phi 3\text{mm}$ (T-1) all plastic mold type
- Low power consumption

**Outline Dimensions**

**unit : mm**



**Absolute maximum ratings**

| Characteristic                       | Symbol    | Ratings           | Unit |
|--------------------------------------|-----------|-------------------|------|
| Power Dissipation                    | $P_D$     | 85                | mW   |
| Forward Current                      | $I_F$     | 30                | mA   |
| * <sup>1</sup> Peak Forward Current  | $I_{FP}$  | 50                | mA   |
| Reverse Voltage                      | $V_R$     | 4                 | V    |
| Operating Temperature                | $T_{opr}$ | -25 85            |      |
| Storage Temperature                  | $T_{stg}$ | -30 100           |      |
| * <sup>2</sup> Soldering Temperature | $T_{sol}$ | 260 for 5 seconds |      |

\*1. Duty ratio = 1/16, Pulse width = 0.1ms

\*2. Keep the distance more than 2.0mm from PCB to the bottom of LED package

**Electrical Characteristics**

| Characteristic            | Symbol         | Test Condition      | Min | Typ      | Max | Unit |
|---------------------------|----------------|---------------------|-----|----------|-----|------|
| Forward Voltage           | $V_F$          | $I_F = 20\text{mA}$ | -   | 2.0      | 2.7 | V    |
| Luminous Intensity        | $I_V$          | $I_F = 20\text{mA}$ | 10  | 30       | -   | mcd  |
| Peak Wavelength           | $\lambda_P$    | $I_F = 20\text{mA}$ | -   | 585      | -   | nm   |
| Spectrum Bandwidth        |                | $I_F = 20\text{mA}$ | -   | 30       | -   | nm   |
| Reverse Current           | $I_R$          | $V_R = 4\text{V}$   | -   | -        | 10  | uA   |
| * <sup>3</sup> Half angle | $\theta_{1/2}$ | $I_F = 20\text{mA}$ | -   | $\pm 20$ | -   | deg  |

\*3.  $\theta_{1/2}$  is the off-axis angle where the luminous intensity is 1/2 the peak intensity

Characteristic Diagrams

Fig. 1  $I_F - V_F$

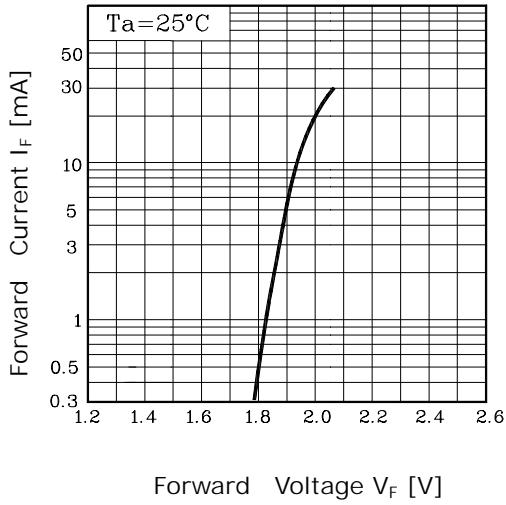


Fig. 2  $I_V - I_F$

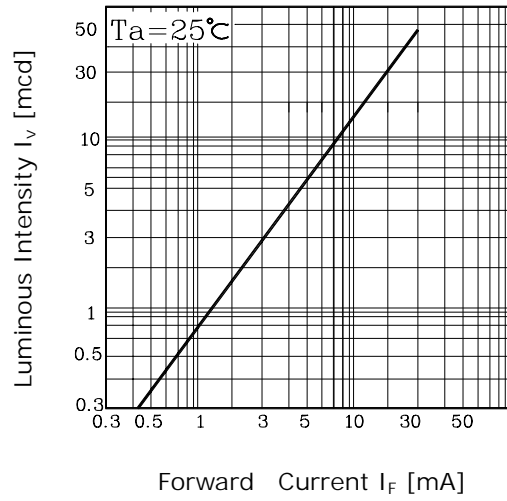


Fig. 3  $I_F - T_a$

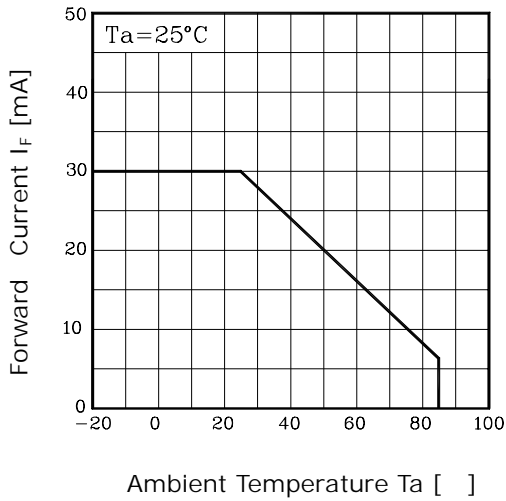


Fig.4 Spectrum Distribution

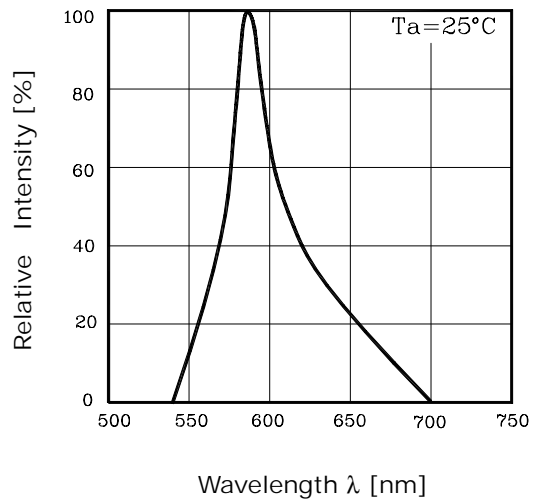


Fig. 5 Radiation Diagram

