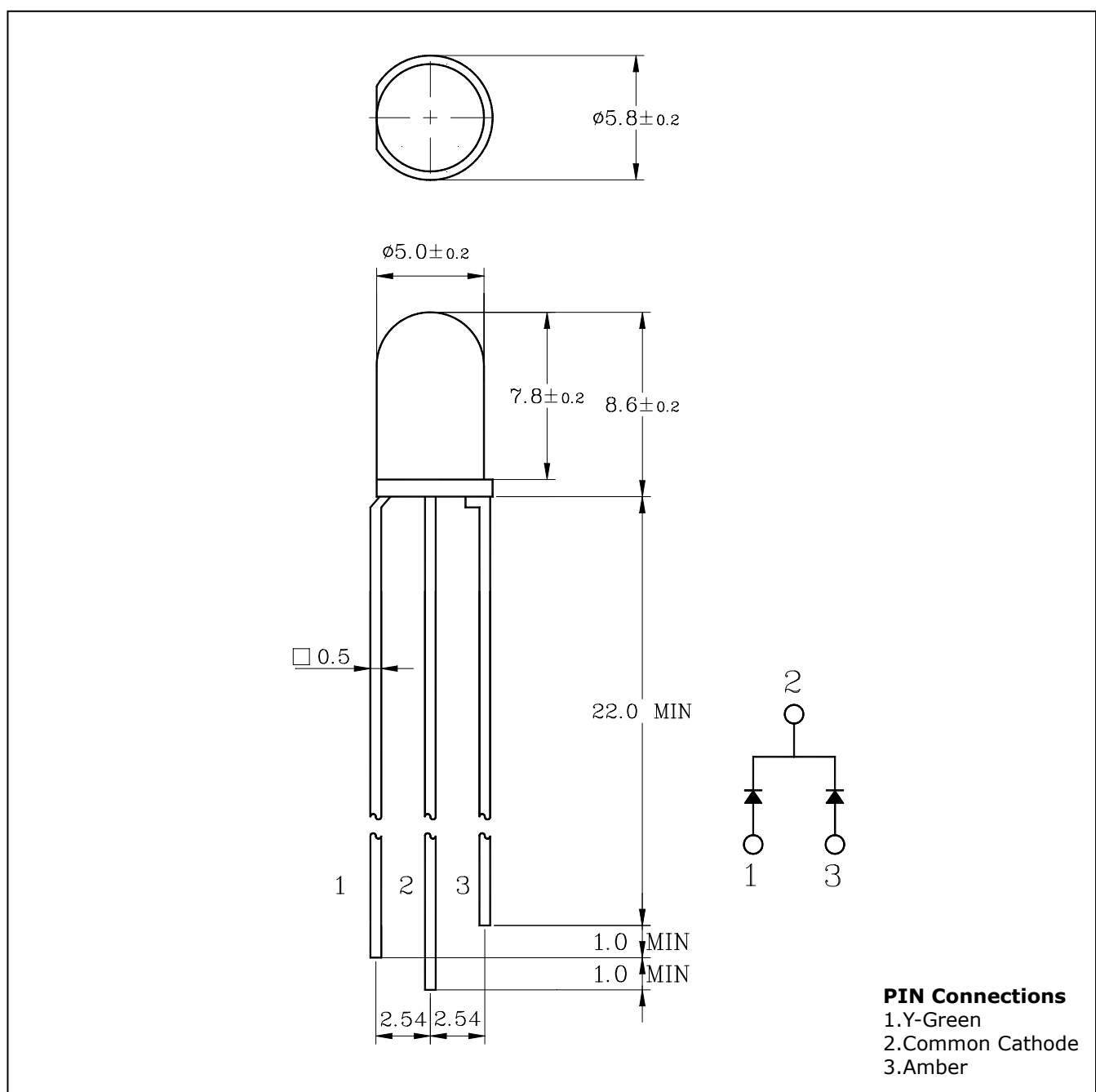


**Features**

- Colorless transparency lens type
- $\phi 5\text{mm}$ (T-13/4) all plastic mold type
- Radiation color (Amber, Y-Green)
- Low power consumption

**Outline Dimensions**

**unit : mm**

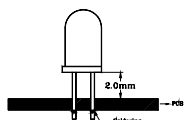


## Absolute maximum ratings

| Characteristic          | Symbol    | Ratings             | Unit |
|-------------------------|-----------|---------------------|------|
| Power Dissipation       | $P_D$     | 85                  | mW   |
| Forward Current         | $I_F$     | 30                  | mA   |
| *1Peak Forward Current  | $I_{FP}$  | 50                  | mA   |
| Reverse Voltage         | $V_R$     | 4                   | V    |
| Operating Temperature   | $T_{opr}$ | -25 ~ 85            | °C   |
| Storage Temperature     | $T_{stg}$ | -30 ~ 100           | °C   |
| *2Soldering Temperature | $T_{sol}$ | 260°C 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      | $V_F$            | $I_F = 20\text{mA}$ | -    | 2.1      | 2.5  | V    |
|                      |                  |                     | -    | 2.0      | 2.5  |      |
| *3Luminous Intensity | $I_V$            | $I_F = 20\text{mA}$ | 50   | -        | -    | mcd  |
|                      |                  |                     | 25   | -        | -    |      |
| Peak Wavelength      | $\lambda_p$      | $I_F = 20\text{mA}$ | -    | 630      | -    | nm   |
|                      |                  |                     | -    | 570      | -    |      |
| Spectrum Bandwidth   | $\Delta \lambda$ | $I_F = 20\text{mA}$ | -    | 30       | -    | nm   |
|                      |                  |                     | -    | 35       | -    |      |
| Reverse Current      | $I_R$            | $V_R = 4\text{V}$   | -    | -        | 10   | uA   |
| 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  $I_F - V_F$

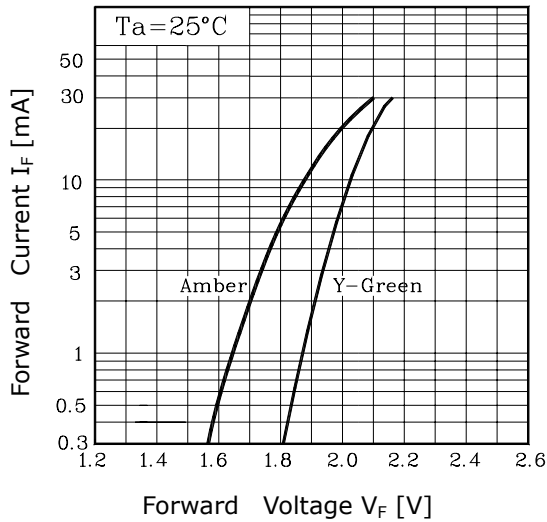


Fig. 2  $I_V - I_F$

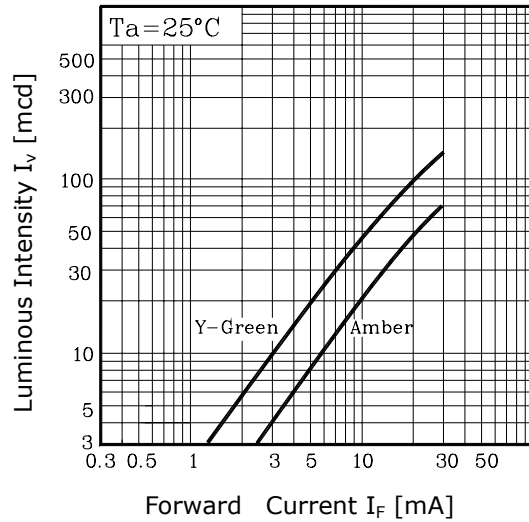


Fig. 3  $I_F - T_a$

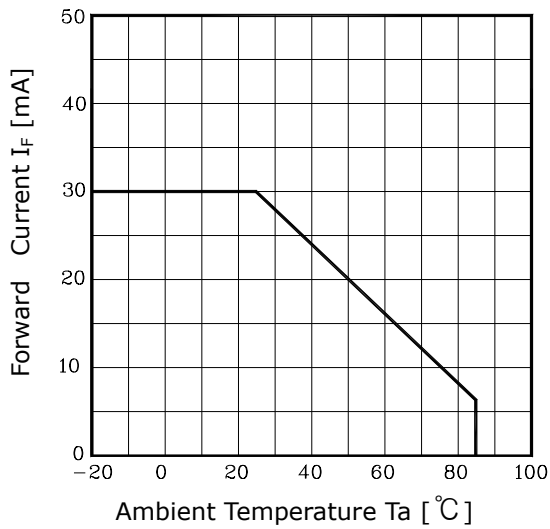


Fig.4 Spectrum Distribution

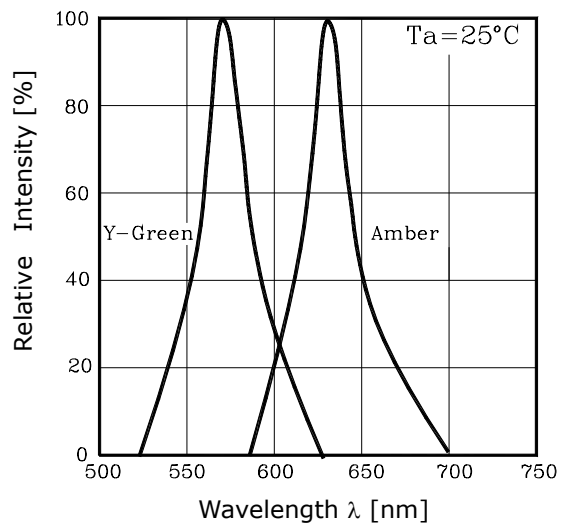
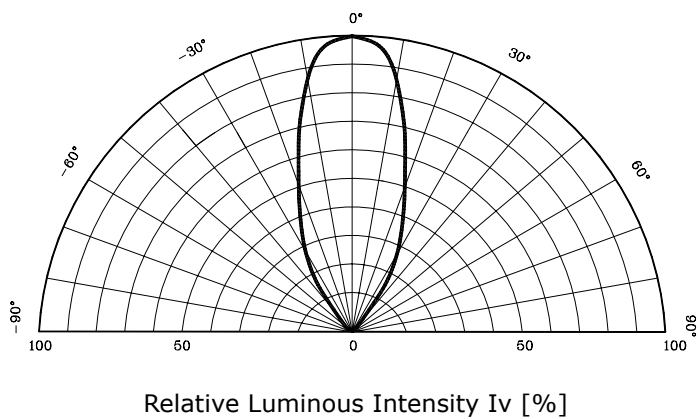


Fig. 5 Radiation Diagram



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