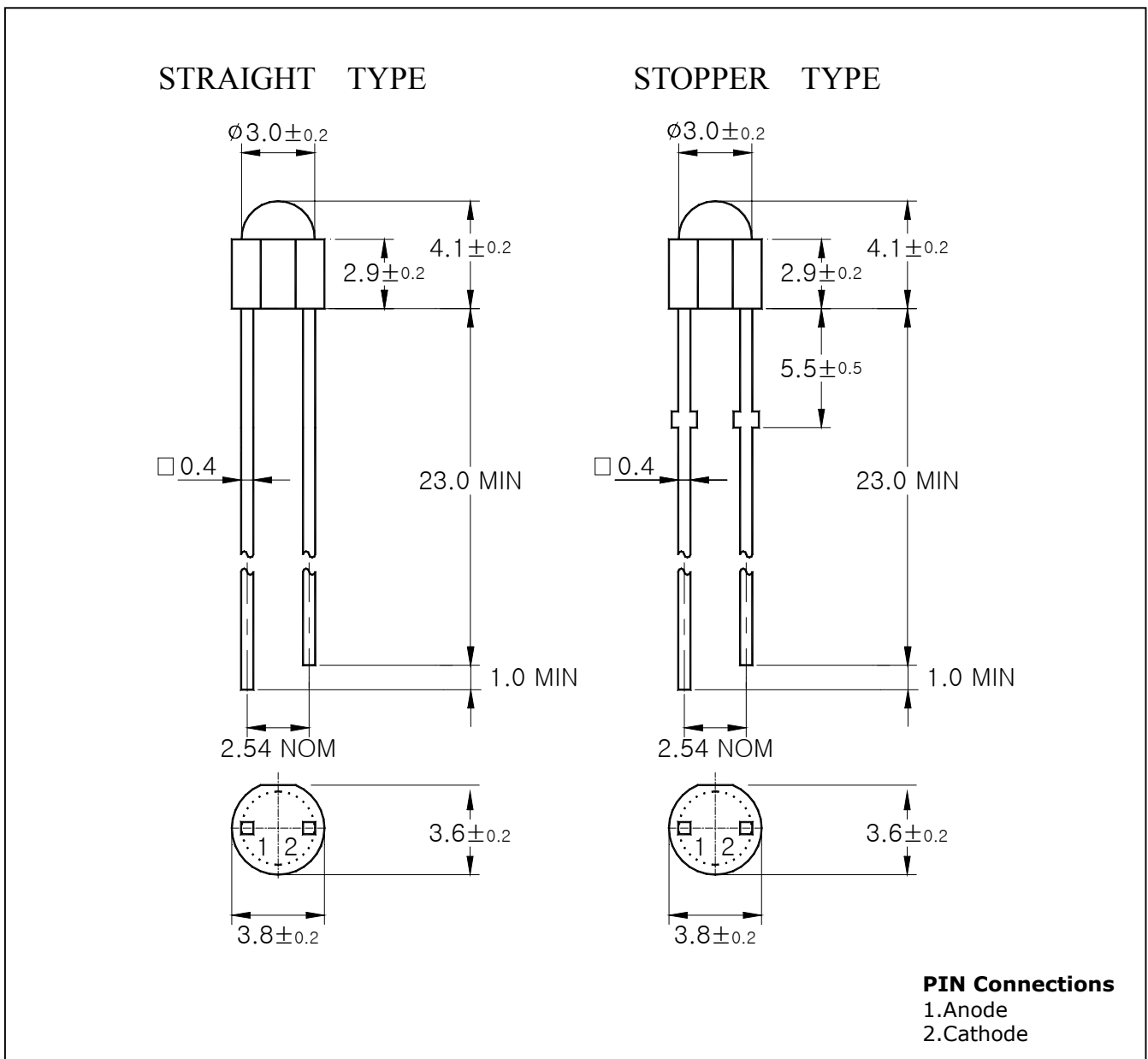


Features

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

Outline Dimensions

unit : mm

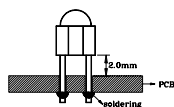


Absolute maximum ratings

| Characteristic | Symbol | Ratings | Unit |
|--------------------------|-----------|---------------------|------|
| Power Dissipation | P_D | 85 | mW |
| Forward Current | I_F | 30 | mA |
| *1 Peak 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 |
| *2 Soldering 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 | $I_F = 20\text{mA}$ | - | 2.0 | 2.7 | V |
| Luminous Intensity | I_V | $I_F = 20\text{mA}$ | 6.6 | 25 | 43 | mcd |
| Peak Wavelength | λ_p | $I_F = 20\text{mA}$ | - | 585 | - | nm |
| Spectrum Bandwidth | $\Delta \lambda$ | $I_F = 20\text{mA}$ | - | 30 | - | nm |
| Reverse Current | I_R | $V_R = 4\text{V}$ | - | - | 10 | uA |
| *3 Half angle | $\theta_{1/2}$ | $I_F = 20\text{mA}$ | - | ± 45 | - | deg |

*3. Luminous Intensity Maximum tolerance for each Grade Classification limit is $\pm 18\%$

*3. Luminous Intensity classification

| F | G | H | I |
|--------|-------|-------|-------|
| 6.6~10 | 10~17 | 17~27 | 27~43 |

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

Characteristic Diagrams

Fig. 1 $I_F - V_F$

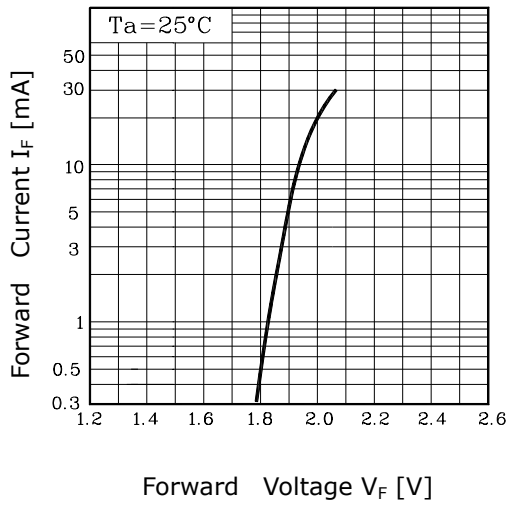


Fig. 2 $I_v - I_F$

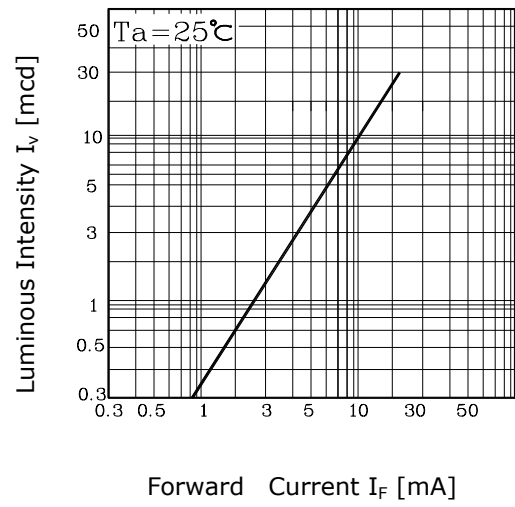


Fig. 3 $I_F - T_a$

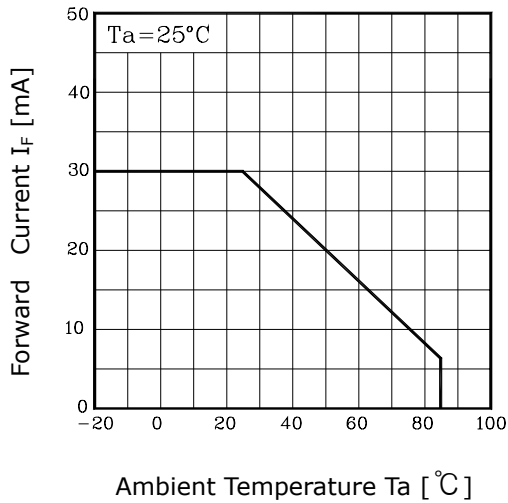


Fig. 4 Spectrum Distribution

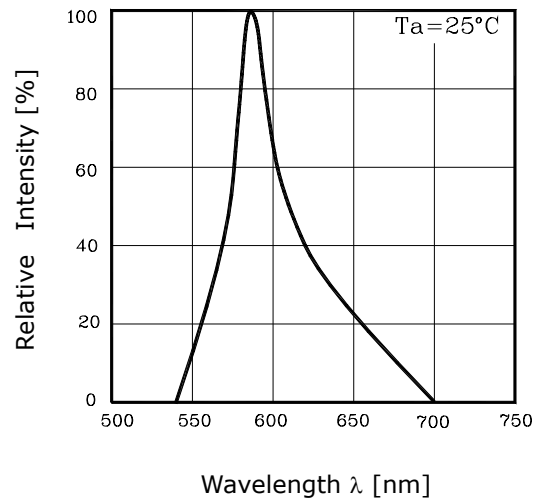


Fig. 5 Radiation Diagram

