

**Features**

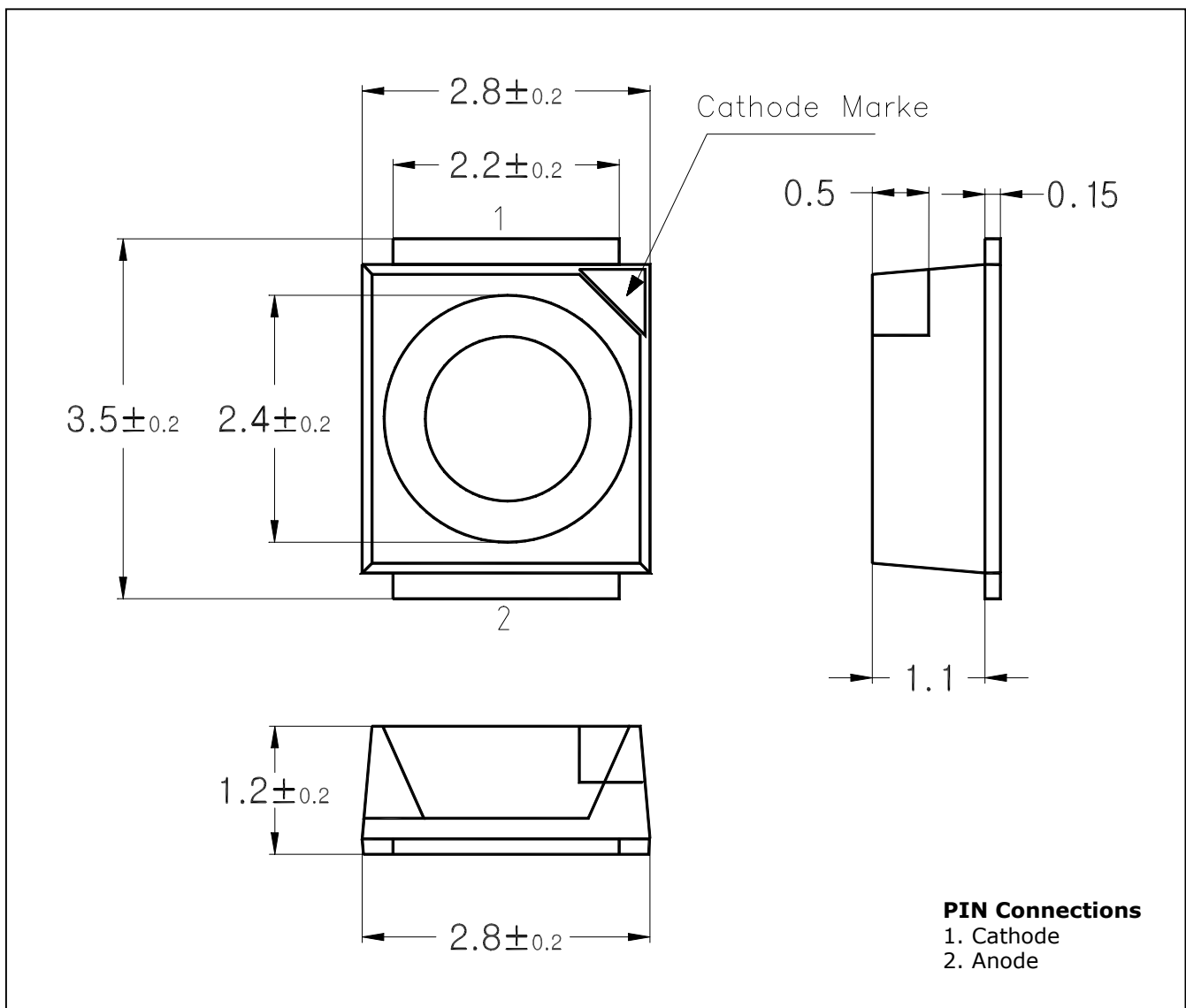
- Colorless transparency lens type
- Compact type
- Radiation size 3.5mm × 2.8mm
- Surface mount lead configuration

**Applications**

- LCD backlighting
- Keypad backlighting
- Symbol backlighting
- Front panel indicator lamp

**Outline Dimensions**

unit : mm



**Absolute maximum ratings**

| Characteristic          | Symbol    | Ratings             | Unit |
|-------------------------|-----------|---------------------|------|
| Power Dissipation       | $P_D$     | 80                  | mW   |
| Forward Current         | $I_F$     | 20                  | mA   |
| *1Peak Forward Current  | $I_{FP}$  | 50                  | mA   |
| Reverse Voltage         | $V_R$     | 4                   | V    |
| Operating Temperature   | $T_{opr}$ | -40 ~ 100           | °C   |
| Storage Temperature     | $T_{stg}$ | -40 ~ 110           | °C   |
| *2Soldering Temperature | $T_{sol}$ | 240°C for 5 seconds |      |

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

\*2.Recommended soldering condition ⇒ Attached

**Electrical Characteristics**

| Characteristic       | Symbol           | Test Condition | Min | Typ | Max | Unit |
|----------------------|------------------|----------------|-----|-----|-----|------|
| Forward Voltage      | $V_F$            | $I_F= 20mA$    | 2.6 | 3.3 | 4.2 | V    |
| *3Luminous Intensity | $I_V$            | $I_F= 20mA$    | 68  | 80  | 155 | mcd  |
| Peak Wavelength      | $\lambda_p$      | $I_F= 20mA$    | -   | 468 | -   | nm   |
| Spectrum Bandwidth   | $\Delta \lambda$ | $I_F= 20mA$    | -   | 20  | -   | nm   |
| Reverse Current      | $I_R$            | $V_R=4V$       | -   | -   | 10  | μA   |
| *4Half angle         | $\theta_{1/2}$   | $I_F= 20mA$    | -   | ±55 | -   | deg  |

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

\*4. Luminous intensity maximum tolerance for each grade classification limits ±18%

\*4. Luminous Intensity classification

| K      | L       |
|--------|---------|
| 68~100 | 100~155 |

Characteristic Diagrams

Fig. 1  $I_F - V_F$

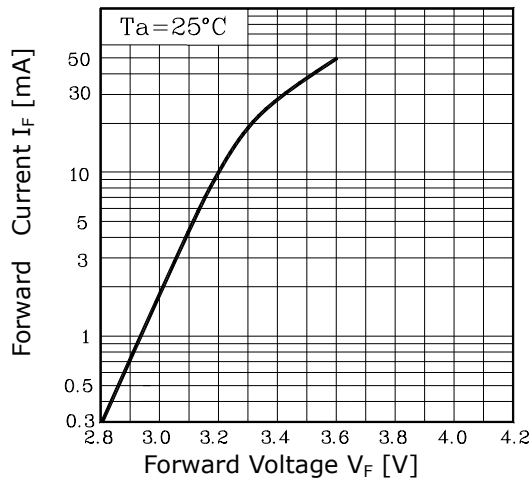


Fig. 2  $I_V - I_F$

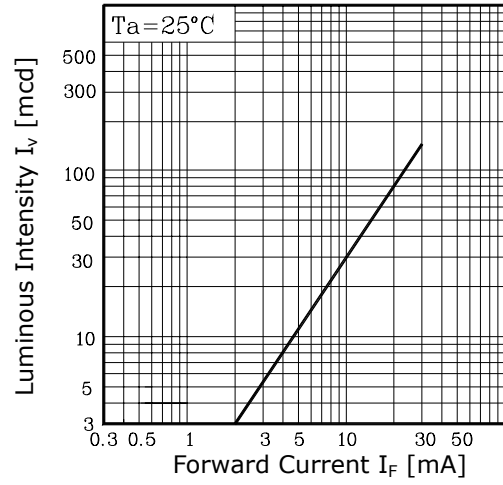


Fig. 3  $I_F - T_a$

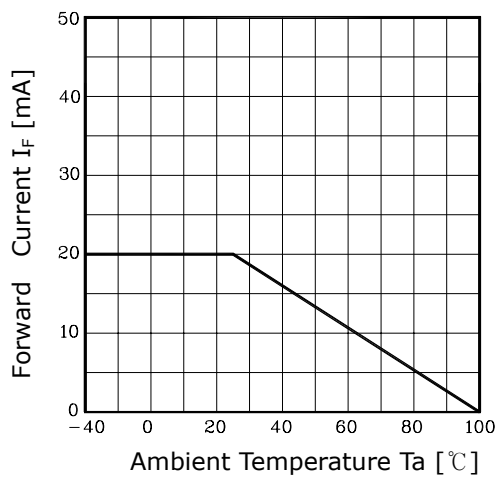


Fig. 4 Spectrum Distribution

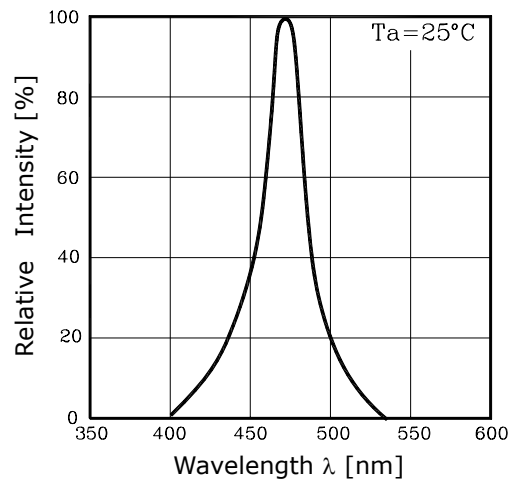
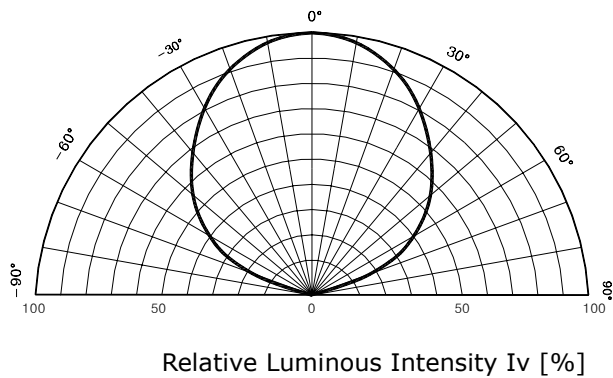


Fig. 5 Radiation Diagram



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