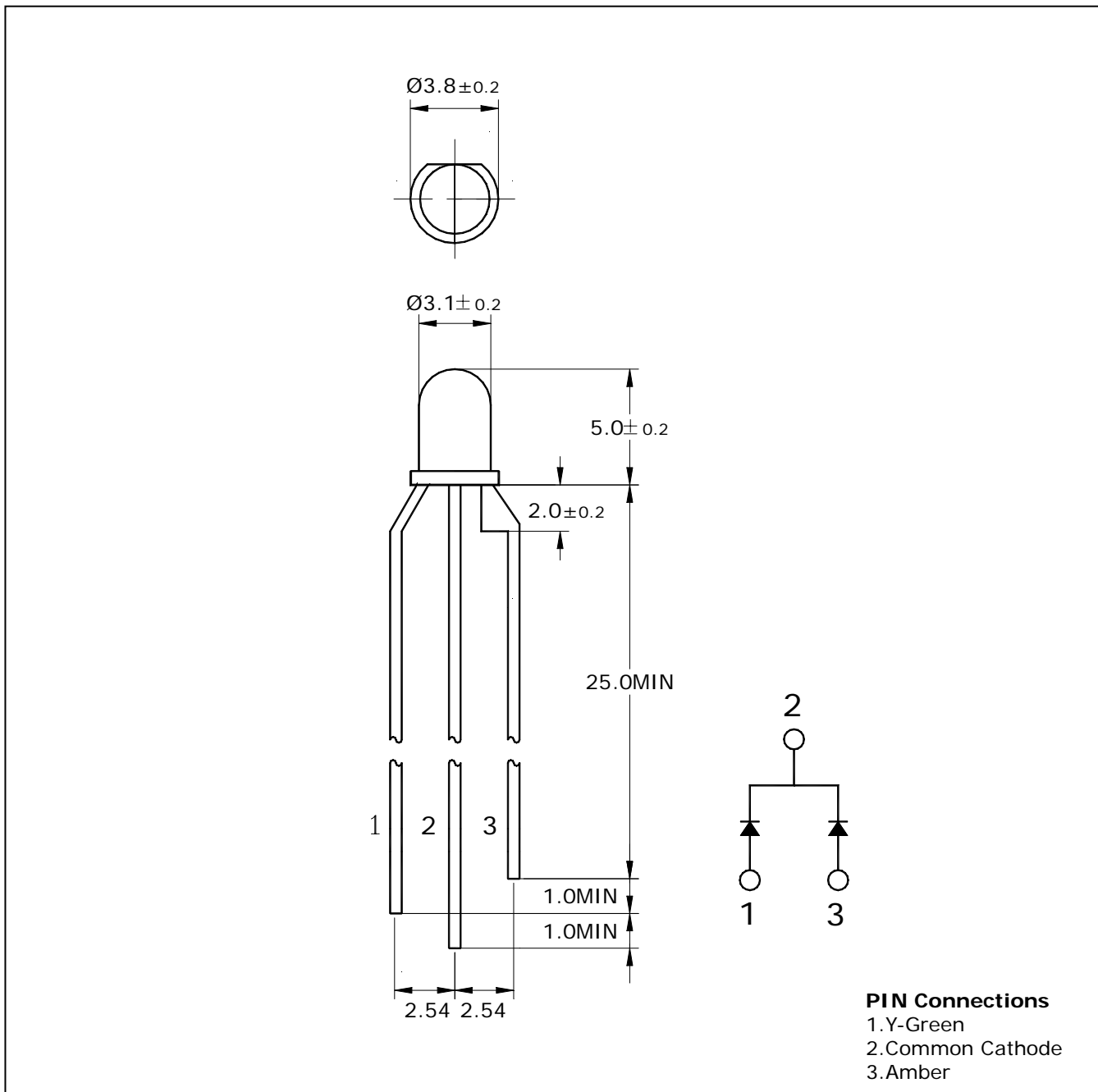


**Features**

- Milky diffusion lens type
- $\phi 3\text{mm}$ (T-1) 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            |      |
| Storage Temperature    | $T_{stg}$ | -30 100           |      |
| Soldering Temperature  | $T_{sol}$ | 260 for 5 seconds |      |

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

**Electrical Characteristics**

| Characteristic     | Symbol         | Test Condition | Min. | Typ.     | Max. | Unit |
|--------------------|----------------|----------------|------|----------|------|------|
| Forward Voltage    | $V_F$          | $I_F= 20mA$    | -    | 2.0      | 2.5  | V    |
|                    |                |                | -    | 2.2      | 2.5  |      |
| Luminous Intensity | $I_V$          | $I_F= 20mA$    | 3    | 6        | -    | mcd  |
|                    |                |                | 4    | 9        | -    |      |
| Peak Wavelength    | $\lambda_P$    | $I_F= 20mA$    | -    | 630      | -    | nm   |
|                    |                |                | -    | 570      | -    |      |
| Spectrum Bandwidth |                | $I_F= 20mA$    | -    | 35       | -    | nm   |
|                    |                |                | -    | 30       | -    |      |
| Reverse Current    | $I_R$          | $V_R=4V$       | -    | -        | 10   | uA   |
| Half angle         | $\theta_{1/2}$ | $I_F= 20mA$    | -    | $\pm 30$ | -    | deg  |

Characteristic Diagrams

Fig. 1  $I_F - V_F$

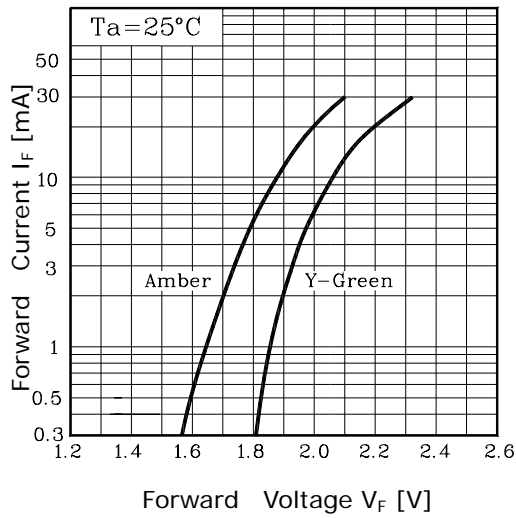


Fig. 2  $I_V - I_F$

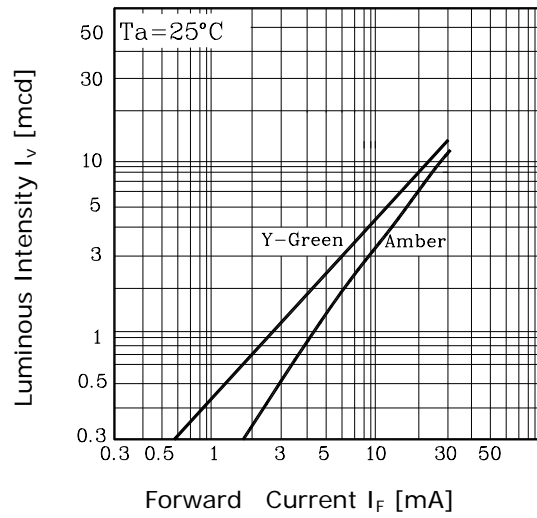


Fig. 3  $I_F - T_a$

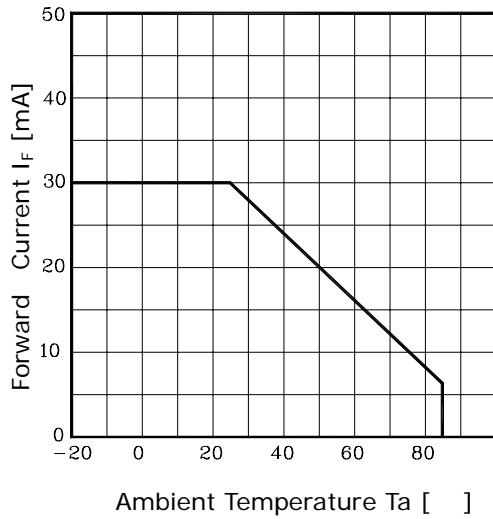


Fig. 4 Spectrum Distribution

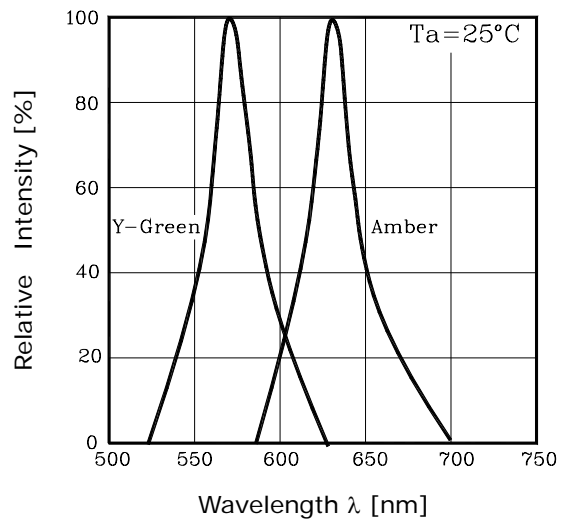
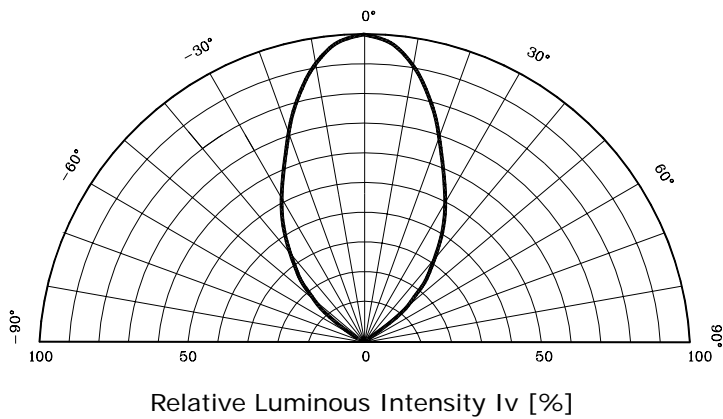


Fig. 5 Radiation Diagram



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