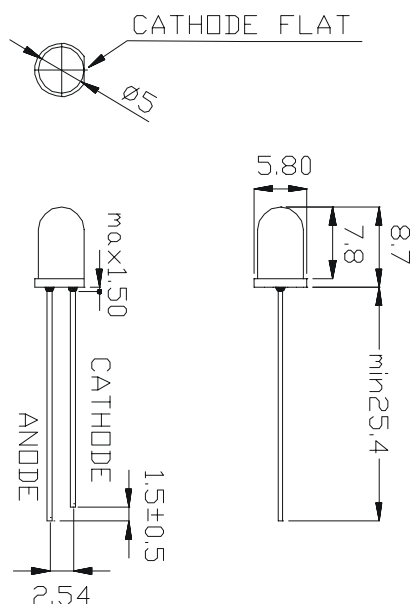


## Device Selection Guide

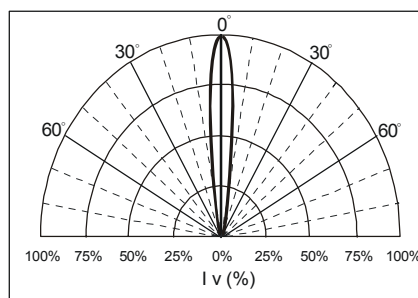
| Part Number<br>EOL- | Luminous Intensity<br>$I_v(\text{mcd}) @ I_F = 20\text{mA}$ |      | Viewing Angle<br>$2\theta_{1/2}$ | Dominant Wavelength<br>$\lambda_D(\text{nm}) @ I_F = 20\text{mA}$ | Forward Voltage<br>$V_F(\text{V}) @ I_F = 20\text{mA}$ |      | $I_R(\mu\text{A}) @ V_R = 5\text{V}$ | Stand Off | Epoxy Color |
|---------------------|-------------------------------------------------------------|------|----------------------------------|-------------------------------------------------------------------|--------------------------------------------------------|------|--------------------------------------|-----------|-------------|
|                     | Min.                                                        | Typ. | Typ.                             | Typ.                                                              | Typ.                                                   | Max. | Max.                                 |           |             |
| K1YCCCC0-KK         | 4940                                                        | 8000 | 15°                              | 589                                                               | 2.0                                                    | 2.4  | 10                                   | No        | Clear       |

| BIN #                                  | W         | X         | Y          |  |  |
|----------------------------------------|-----------|-----------|------------|--|--|
| Intensity (mcd)<br>@ $I_F=20\text{mA}$ | 4940-6920 | 6920-9690 | 9690-13570 |  |  |

## Package Dimensions



## Beam Pattern



### Note:

- All dimensions are in millimeter.
- Unspecified tolerance :  $\pm 0.20\text{mm}$ .
- Protruded resin under bottom surface of epoxy is 1.5mm max.
- Lead spacing is measured where the leads emerge from the package
- Specifications are subject to be changed without notice.

## Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

| Parameter                           | Symbol            | Maximum Value                               | USER---APPROVED |
|-------------------------------------|-------------------|---------------------------------------------|-----------------|
| Average Forward Current             | $I_F$             | 30mA                                        |                 |
| Peak Forward Current <sup>[a]</sup> | $I_{\text{peak}}$ | 100mA                                       |                 |
| Reverse Voltage                     | $V_R$             | 5V                                          |                 |
| Power Dissipation                   | $P_D$             | 72mW                                        |                 |
| Operating Temperature Range         | $T_{\text{OPR}}$  | $-40^\circ\text{C} \sim +85^\circ\text{C}$  |                 |
| Storage Temperature Range           | $T_{\text{STO}}$  | $-40^\circ\text{C} \sim +100^\circ\text{C}$ |                 |
| Lead Soldering Temperature          | $T_{\text{SOL}}$  | $260^\circ\text{C} / 5\text{ seconds}$      |                 |

Notes: [a] Duty Ratio = 1/10, Pulse Width = 0.1ms.

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