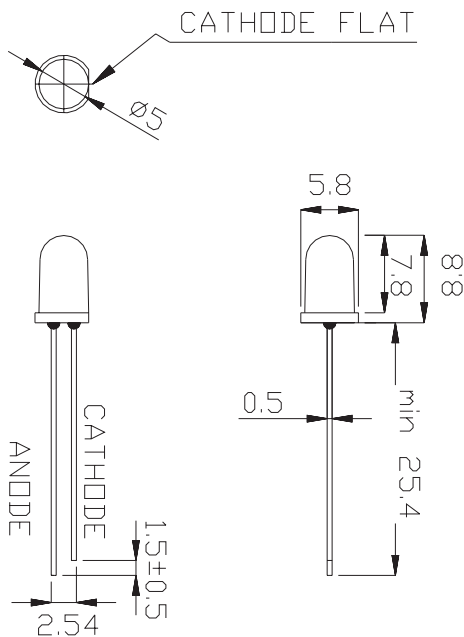


## Device Selection Guide

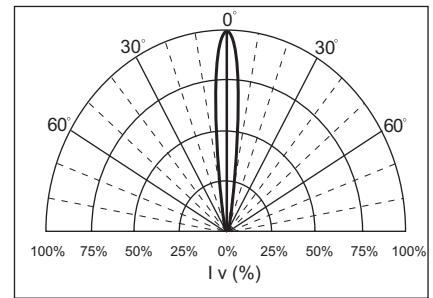
| Part Number<br>EOL- | Luminous Intensity<br>$I_v$ (mcd) @ $I_F = 20$ mA |      | Viewing Angle<br>$2\theta_{1/2}$ | Dominant Wavelength<br>$\lambda_d$ (nm) @ $I_F = 20$ mA | $V_F$<br>@ $I_F = 20$ mA |      | $I_R$ ( $\mu$ A)<br>@ $V_R = 5$ V | Stand Off | Epoxy Color |
|---------------------|---------------------------------------------------|------|----------------------------------|---------------------------------------------------------|--------------------------|------|-----------------------------------|-----------|-------------|
|                     | Min.                                              | Typ. | Typ.                             | Typ.                                                    | Typ.                     | Max. | Max.                              |           |             |
| K1QCCCC0-DG         | 3115                                              | 4100 | 15°                              | 605                                                     | 2.0                      | 2.4  | 10                                | No        | Clear       |

| BIN#                              | V         | W         |  |  |  |
|-----------------------------------|-----------|-----------|--|--|--|
| Intensity(mcd)<br>@ $I_F = 20$ mA | 3115-4360 | 4360-6105 |  |  |  |

## Package Dimensions



## Beam Pattern



### Note:

- All dimensions are in millimeter (mm).
- Unspecified tolerance:  $\pm 0.20$ mm.
- Protruded resin 1.5mm max.
- Lead spacing is measured where the leads emerge from the package
- Specifications are subject to change without notice.

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

| Parameter                   | Symbol    |                    | USER---APPROVED |
|-----------------------------|-----------|--------------------|-----------------|
| Peak Forward Current        | $I_{fm}$  | 100mA              |                 |
| Average Forward Current     | $I_f$     | 30mA               |                 |
| Reverse Voltage             | $V_r$     | 5V                 |                 |
| Operating Temperature Range | $T_{opr}$ | -40°C to + 85°C    |                 |
| Storage Temperature Range   | $T_{sto}$ | -40°C to + 100°C   |                 |
| Lead Soldering Temperature  | $T_{sol}$ | 260°C / 5 Secondes |                 |

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

b. Design of heat dissipation should be considered.