

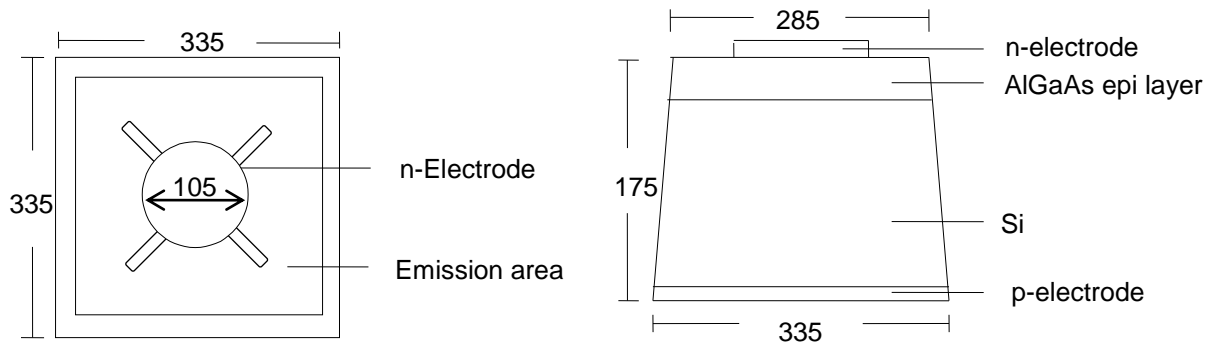
### ■ Features :

- Suitable for New Creative Products

### ■ Typical Applications :

- Home entertainment
- Light source for CMOS & CCD camera
- Security camera, CCTV

### ■ Outline Dimensions : (Unit: $\mu\text{m}$ )



### ■ Physical Structure :

|                    |                     |                                       |
|--------------------|---------------------|---------------------------------------|
| LED Chip dimension | Chip size           | 335 $\mu\text{m}$ x 335 $\mu\text{m}$ |
|                    | Thickness           | 175 $\pm$ 25 $\mu\text{m}$            |
|                    | Emission area       | 285 $\mu\text{m}$                     |
|                    | Bonding pad         | 105 $\mu\text{m}$                     |
| Electrode          | Top: N (cathode)    | Gold                                  |
|                    | Backside: P (anode) | Gold                                  |
| Surface condition  | Frosted             |                                       |

\*C2

### ■ Electro-Optical Characteristics : ( $T_a = 25^\circ\text{C}$ )

| Parameter       | Symbol      | Condition              | Min. | Typ. | Max. | Unit          |
|-----------------|-------------|------------------------|------|------|------|---------------|
| Forward voltage | $V_{FH}$    | $I_F = 100 \text{ mA}$ | 1.30 | -    | 1.60 | V             |
| Reverse current | $I_R$       | $V_R = 10\text{V}$     | -    | -    | 1    | $\mu\text{A}$ |
| Radiant Power   | $P_o$       | $I_F = 100 \text{ mA}$ | 14.0 | -    | 24.0 | mW            |
| Wavelength      | $\lambda_P$ | $I_F = 100 \text{ mA}$ | 960  |      | 990  | nm            |