

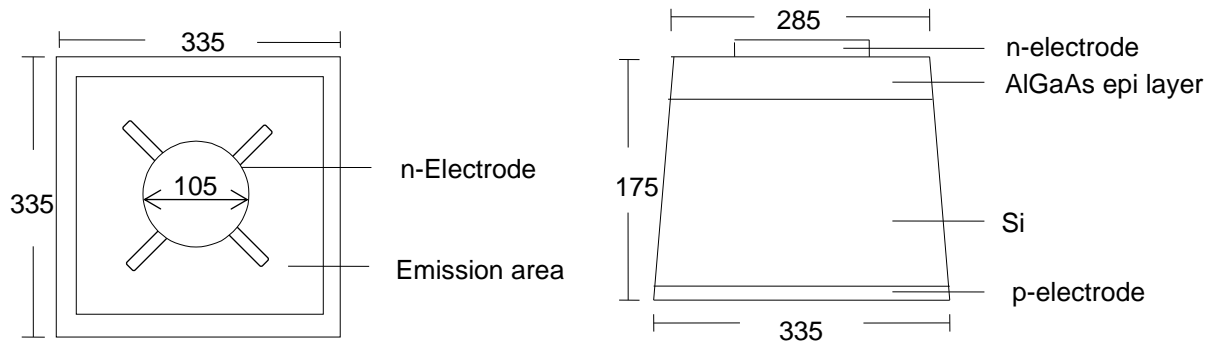
### ■ Features :

- 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 $\pm$ 20 $\mu\text{m}$
	Bonding pad	105 $\mu\text{m}$
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

\* $^{\circ}\text{C}$ 

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_{FH}$	$I_F = 100\text{mA}$	1.70	-	2.10	V
Wavelength	$\lambda_P$	$I_F = 100\text{mA}$	750	-	790	nm
Radiant Power	$P_o$	$I_F = 100\text{mA}$	14	-	28	mW
Spectral width at half height	$\Delta\lambda$	$I_F = 100\text{mA}$	-	25	-	Nm
Reverse current	$I_R$	$V_R = 10\text{V}$	-	-	1	$\mu\text{A}$