

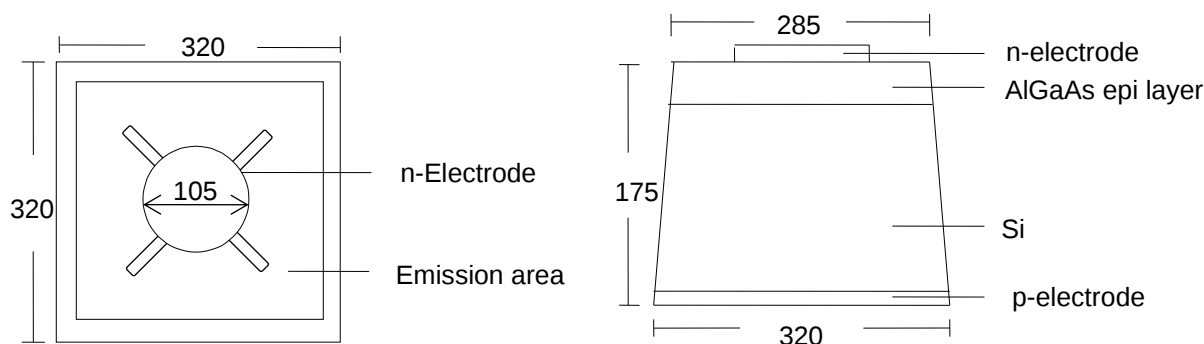
■ Features :

- Suitable for New Creative Products

■ Typical Applications :

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

■ Outline Dimensions : (Unit: μm)



■ Physical Structure :

LED Chip dimension	Chip size	320 μm x 320 μm
	Thickness	175 $\pm$ 25 μm
	Emission area	285 $\pm$ 20 μm
	Bonding pad	105 μm
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}	$I_F = 100 \text{ mA}$	1.50	-	2	V
Reverse current	I_R	$V_R = 10\text{V}$	-	-	5	μA
Radiant Power	P_o	$I_F = 100 \text{ mA}$	18	-	30	mW
Wavelength	λ_P	$I_F = 100 \text{ mA}$	800	-	825	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 100 \text{ mA}$	-	30	-	nm