

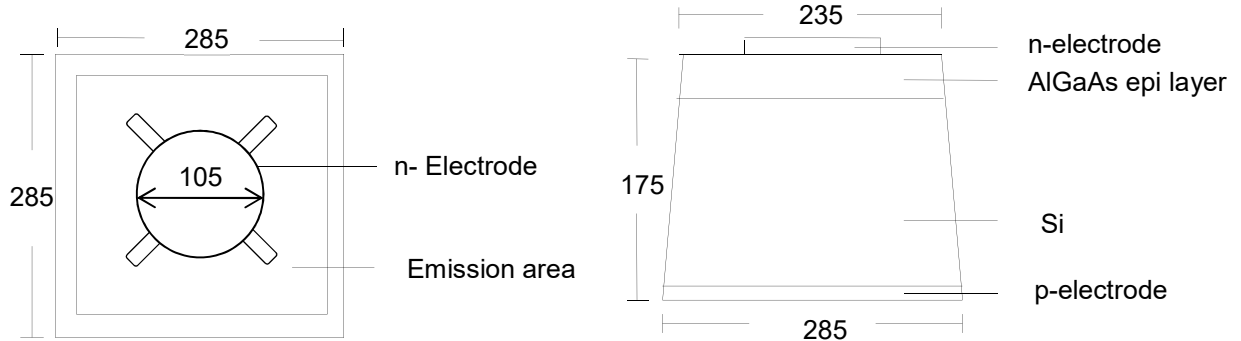
■ **Features :**

- Suitable for New Creative Products

■ **Typical Applications :**

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

■ **Outline Dimensions : (Unit: um)**



■ **Physical Structure :**

Chip dimension	Chip size	285 x 285 um
	Thickness	175±25 um
	Emission area	235 um
	Bonding pad	105 um
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

\*C2

■ **Electro-Optical Characteristics : (Ta = 25°C)**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_{FH}$	$I_F = 70 \text{ mA}$	1.30	-	1.60	V
Reverse current	$I_R$	$V_R = 10V$	-	-	1	$\mu A$
Radiant Power	$P_o$	$I_F = 70 \text{ mA}$	10	-	16	mW
Wavelength	$\lambda_P$	$I_F = 70 \text{ mA}$	940	-	950	nm
Spectral width at half height	$\Delta \lambda$	$I_F = 70 \text{ mA}$	-	45	-	nm