

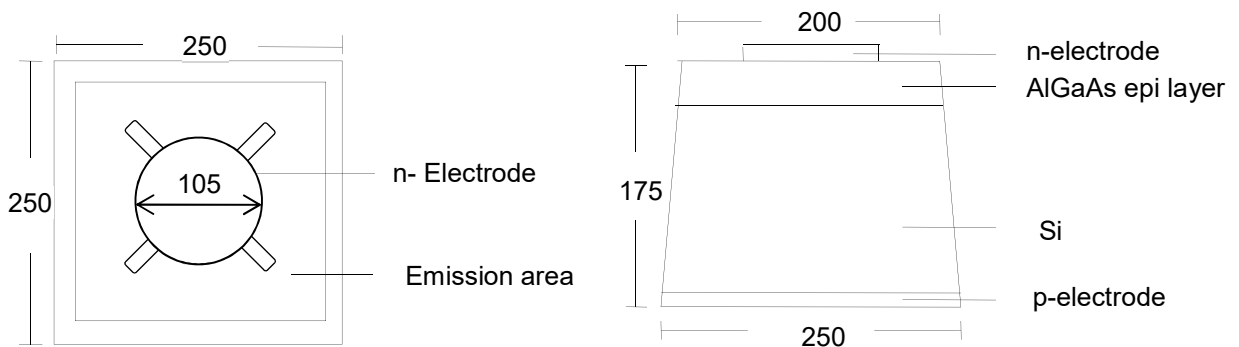
### Features :

- 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	250 x 250um
	Thickness	175±25 um
	Emission area	200 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	$V_{FH}$	$I_F = 50\text{mA}$	1.2	-	1.5	V
Reverse current	$I_R$	$V_R = 10\text{V}$	-	-	1	$\mu\text{A}$
Radiant Power	$P_o$	$I_F = 50\text{mA}$	5	-	10	mW
Wavelength	$\lambda_P$	$I_F = 50\text{mA}$	940	945	950	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 50\text{mA}$	-	45	-	nm