

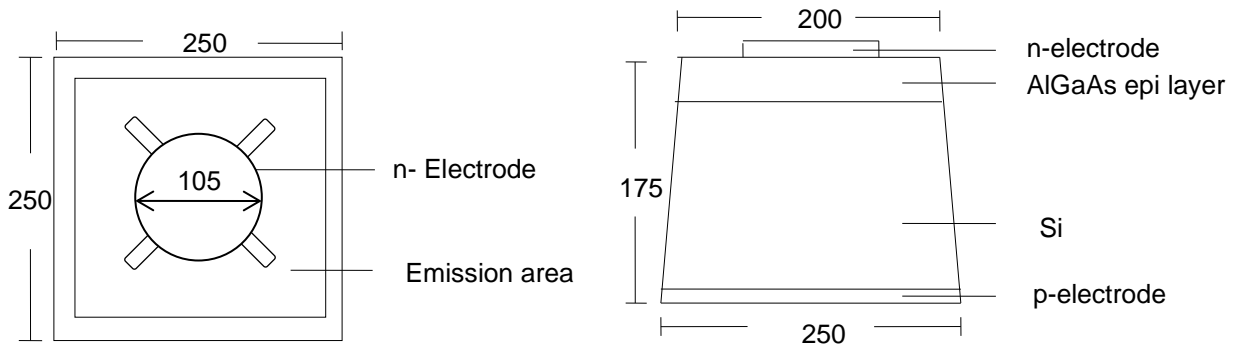
■ Features :

- Suitable for New Creative Products

■ Typical Applications :

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

■ Outline Dimensions : (Unit: μm)



■ Physical Structure :

Chip dimension	Chip size	250±20 x 250±20 μm
	Thickness	175±25 μm
	Emission area	200±15 μm
	Bonding pad	105±10 μm
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

*B

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_{FH}	$I_F = 50\text{mA}$	1.60	-	1.90	V
Reverse current	I_R	$V_R = 10\text{V}$	-	-	1	μA
Radiant Power	P_o	$I_F = 50\text{mA}$	5.0	-	10	mW
Wavelength	λ_P	$I_F = 50\text{mA}$	750	-	790	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 50\text{mA}$	-	30	-	nm