

■ Features :

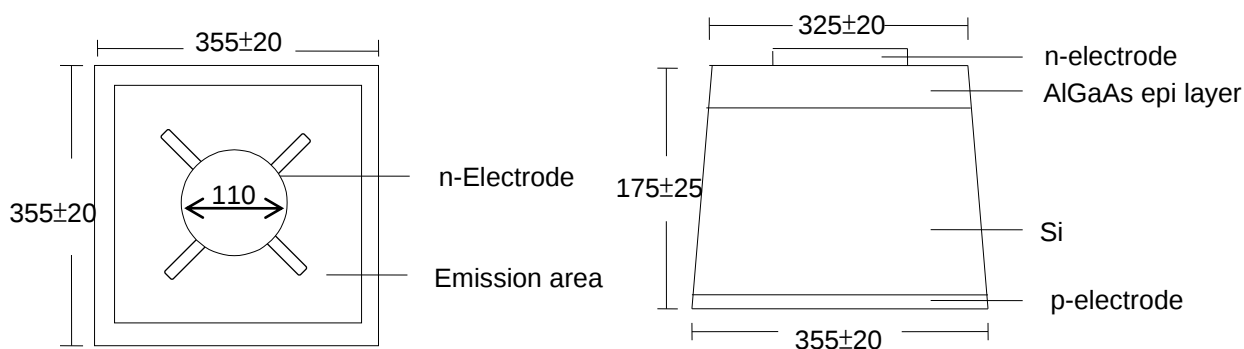
- Suitable for New Creative Products

■ Typical Applications :

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

Note: This model is for engineering sample only. The specifications will be modified when it put into mass production.

■ Outline Dimensions : (Unit: μm)



■ Physical Structure :

LED Chip dimension	Chip size	355±20 μm x 355±20 μm
	Thickness	175 ± 25 μm
	Emission area	325±20 μm
	Bonding pad	110±10 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}	$I_F = 100 \text{ mA}$	1.10	-	1.70	V
Reverse current	I_R	$V_R = 10\text{V}$	-	-	1	μA
Radiant Power	P_o	$I_F = 100 \text{ mA}$	10	-	18	mW
Wavelength	λ_P	$I_F = 100 \text{ mA}$	1040	-	1090	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 100 \text{ mA}$	-	55	-	nm

