

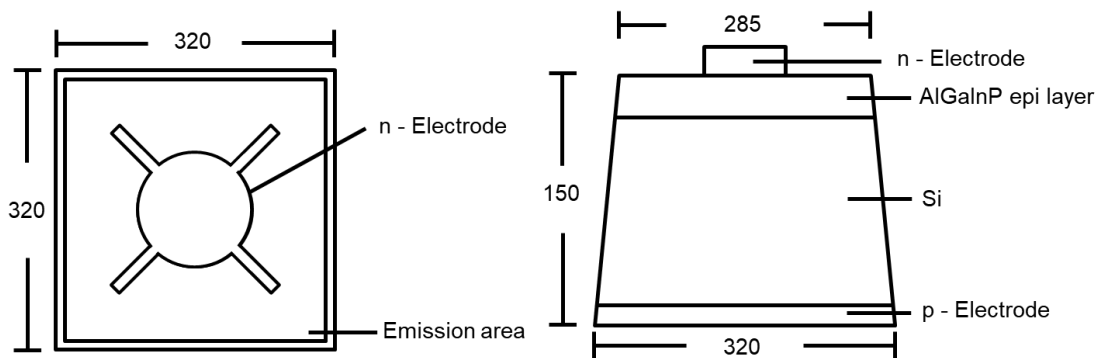
### ■ Features :

- Ultrabright LED Chips
- Suitable for New Creative Products
- 100 % Probing Test
- Sorting Process for Customer Requirements

### ■ Typical Applications :

- Automotive Signal Lamps: Stop/ Tail Lights
- Traffic Signs
- Highway Signs
- Special Decorations
- Full Color Outdoor Moving Signs

### ■ Outline Dimensions : (Unit: $\mu\text{m}$ )



### ■ Physical Structure :

Chip dimension	Chip size	320±25 $\mu\text{m}$ x 320±25 $\mu\text{m}$
	Thickness	150±25 $\mu\text{m}$
	Emission area	285±25 $\mu\text{m}$
	Bonding pad	105±10 $\mu\text{m}$
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	$V_F$	$I_F = 20 \text{ mA}$	1.9	-	2.3	V
Reverse Current	$I_R$	$V_Z = 5 \text{ V}$	-	-	10	$\mu\text{A}$
Wavelength	$\lambda_D$	$I_F = 20 \text{ mA}$	620	-	630	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 20 \text{ mA}$	-	19	-	nm
Luminous Intensity	$I_v$	$I_F = 20 \text{ mA}$	800	-	1500	mcd