

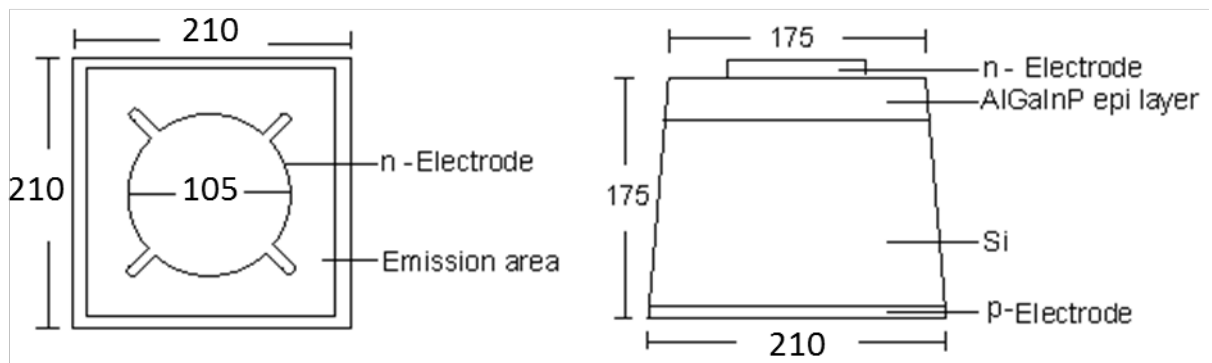
■ **Features :**

- 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: um)**



■ **Physical Structure :**

Chip dimension	Mask size	225 um x 225 um	
	Chip size	210 um x 210 um ± 25um	
	Thickness	175 ± 25 um	
	Emission area	175 um	
	Bonding pad	105 um ± 10um	
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	$V_F$	IF = 20 mA	1.80	-	2.40	V
Reverse Current	$I_R$	Vz = 5 V	-	-	10	uA
Dominant Wavelength	$\lambda_D$	IF = 20 mA	640	-	650	nm
Spectral width at half height	$\Delta \lambda$	IF = 20 mA	-	17	-	nm
Luminous Intensity	$I_v$	IF = 20 mA	120	-	240	mcd