

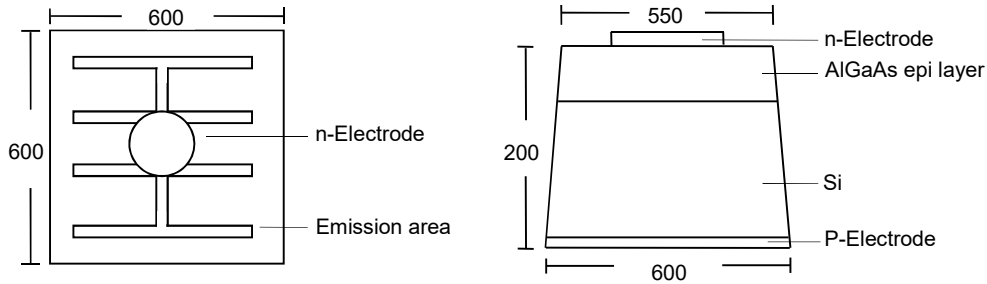
■ **Features :**

- Suitable for New Creative Products
- High Power
- High Performance
- Superior Thermal Stability

■ **Typical Applications :**

- Night Vision
- Camera
- Outdoor/Indoor applications

■ **Outline Dimensions : (Unit: μm)**



■ **Physical Structure :**

LED Chip dimension	Chip size	600±25 μm x 600±25 μm
	Thickness	200±25 μm
	Emission area	550±25 μm
	Bonding pad	130±10 μm
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold

*C2

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_{FH}	$I_F = 150 \text{ mA}$	1.40	-	1.70	V
Reverse current	I_R	$V_R = 10\text{V}$	-	-	1	μA
Radiant Power	P_o	$I_F = 150 \text{ mA}$	30	-	50	mW
Wavelength	λ_P	$I_F = 150 \text{ mA}$	845	-	860	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 150 \text{ mA}$	-	30	-	nm