

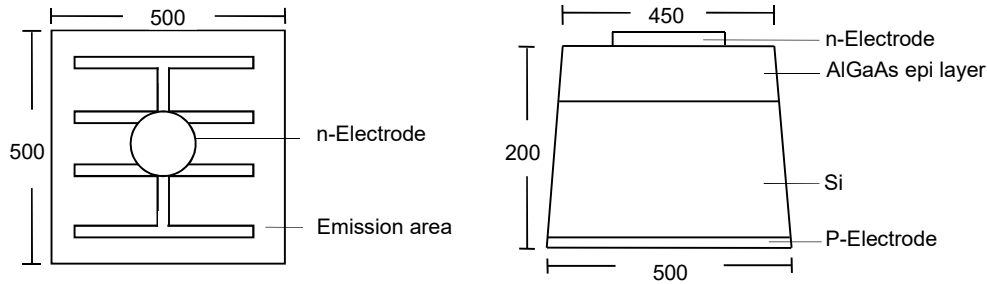
■ Features :

- High radiant flux
- Thin film structure
- Vertical electrode
- High driving current

■ Typical Applications :

- Horticulture lighting
- Special lighting

■ Outline Dimensions : (Unit: μm)



■ Physical Structure :

LED Chip dimension	Chip size	500±25 μm x 500±25 μm
	Thickness	200 ± 25 μm
	Emission area	450±25 μm
	Bonding pad	125±10 μm
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold

*C

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_{FH}	$I_F = 150 \text{ mA}$	1.60	-	1.90	V
Reverse current	I_R	$V_R = 10\text{V}$	-	-	1	μA
Radiant Power	P_o	$I_F = 150 \text{ mA}$	25	-	40	mW
Wavelength	λ_P	$I_F = 150 \text{ mA}$	750	-	790	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 150 \text{ mA}$	-	25	-	nm