

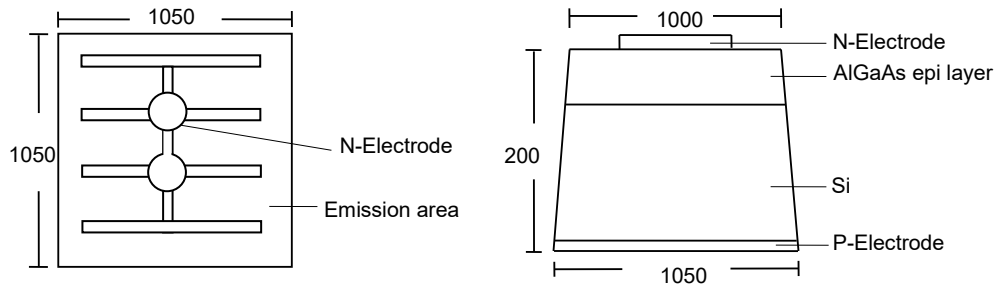
Features :

- 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	1050±20 μm x 1050±20 μm
	Thickness	200 ± 25 μm
	Emission area	1000±20 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}	$I_F = 350 \text{ mA}$	2.40	-	3.20	V
Reverse Current	I_R	$V_R = 10 \text{ V}$	-	-	1	μA
Radiant Power	P_o	$I_F = 350 \text{ mA}$	150	-	200	mW
Wavelength	λ_P	$I_F = 350 \text{ mA}$	950	-	990	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 350 \text{ mA}$	-	43	-	nm