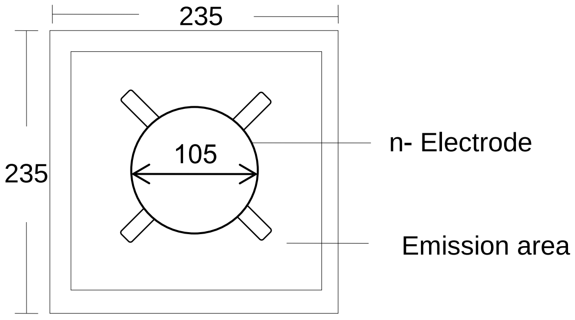
Features :

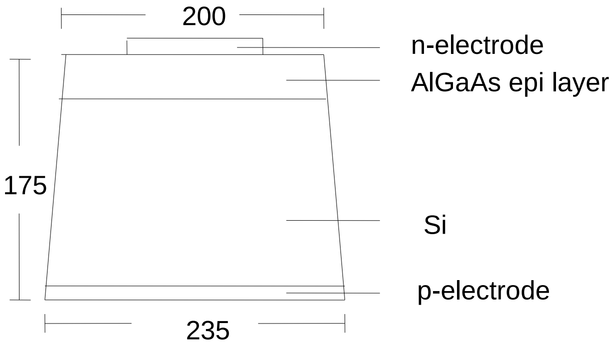
- Suitable for New Creative Products

Typical Applications :

- Home entertainment
- Light source for CMOS & CCD camera
- Security camera, CCTV

Outline Dimensions : (Unit: um)





Physical Structure :

Chip dimension	Chip size	235 x 235um ±20 um
	Thickness	175±25 um
	Emission area	200 um
	Bonding pad	105 um
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

*C2

Electro-Optical Characteristics : (Ta = 25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_{FH}	I_F = 50mA	1.50	-	1.80	V
Reverse current	I_R	V_R = 10V	-	-	1	μA
Radiant Power	P_o	I_F = 50 mA	6.0	-	10	mW
Wavelength	λ_P	I_F = 50 mA	870	-	900	Nm
Spectral width at half height	$\triangle\lambda$	I_F = 50 mA	-	40	-	nm

Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

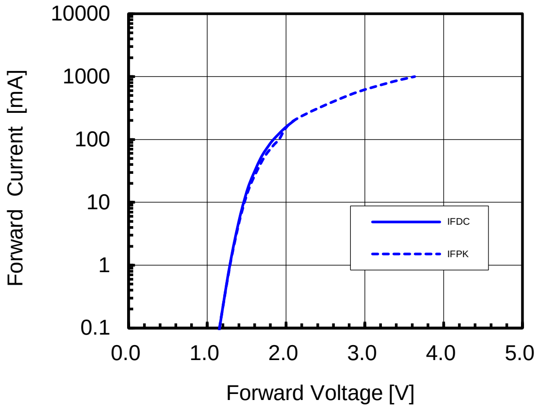


Fig 2. Relative Radiant Power vs. Wavelength

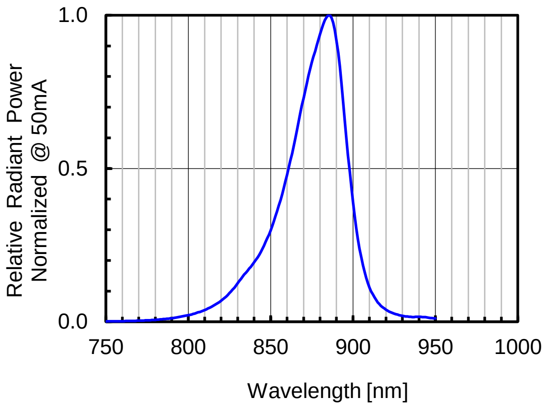


Fig 3. Relative Radiant Power

vs. Forward DC Current

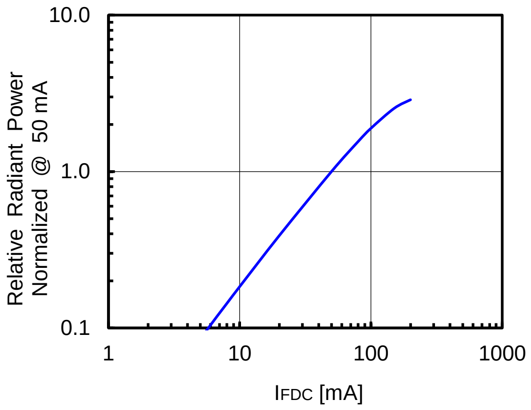


Fig 4. Relative Radiant Power

vs. Forward Peak Current

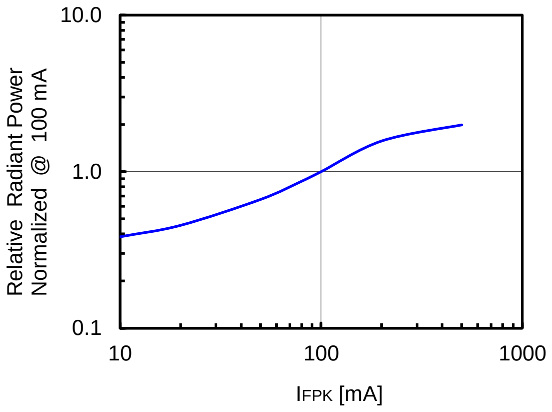


Fig 5. Forward DC Voltage vs. Temperature

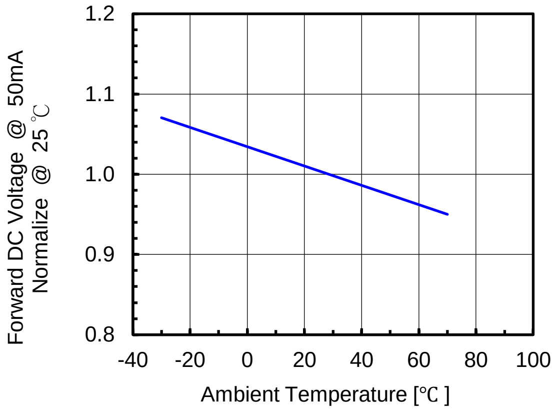


Fig 6. Relative Radiant Power vs. Temperature