

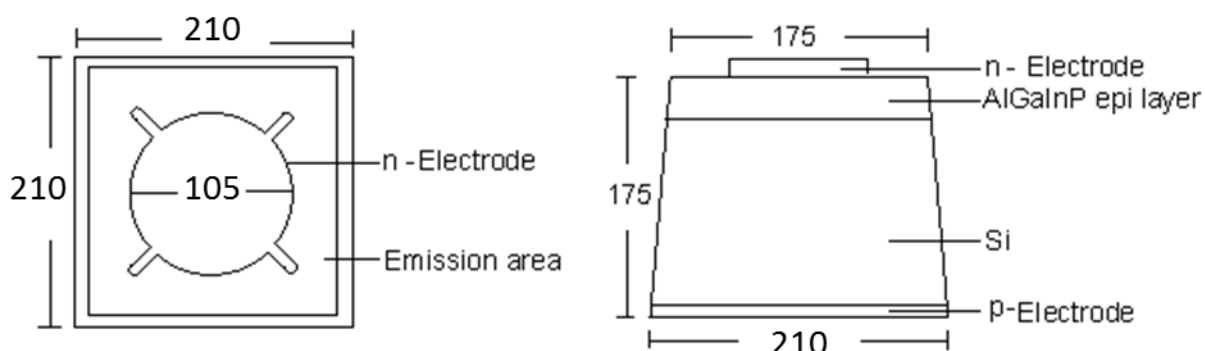
■ Features :

- 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: μm)



■ Physical Structure :

Chip dimension	Mask size		225 μm x 225 μm
	Chip size		210 μm x 210 μm $\pm$ 25 μm
	Thickness		175 $\pm$ 25 μm
	Emission area		175 μm
	Bonding pad		105 μm $\pm$ 10 μm
Electrode	Top:	N (cathode)	Gold
	Backside:	P (anode)	Gold
Surface condition	Frosted		

*C2

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20 \text{ mA}$	1.80	-	2.40	V
Reverse Current	I_R	$V_Z = 5 \text{ V}$	-	-	10	μA
Dominant Wavelength	λ_D	$I_F = 20 \text{ mA}$	640	-	650	nm
Spectral width at half height	$\Delta\lambda$	$I_F = 20 \text{ mA}$	-	17	-	nm
Luminous Intensity	I_V	$I_F = 20 \text{ mA}$	120	-	240	mcd

■ Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

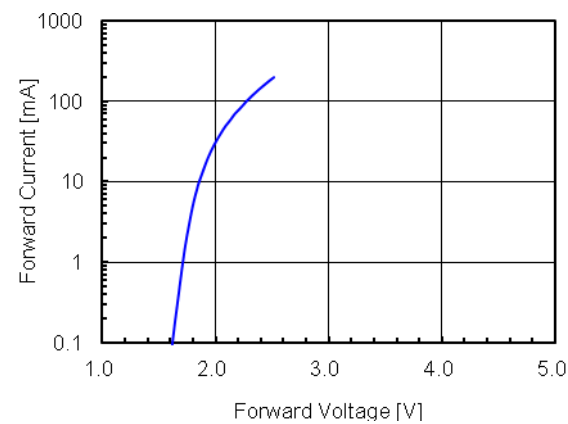


Fig 2. Relative Intensity vs. Forward Current

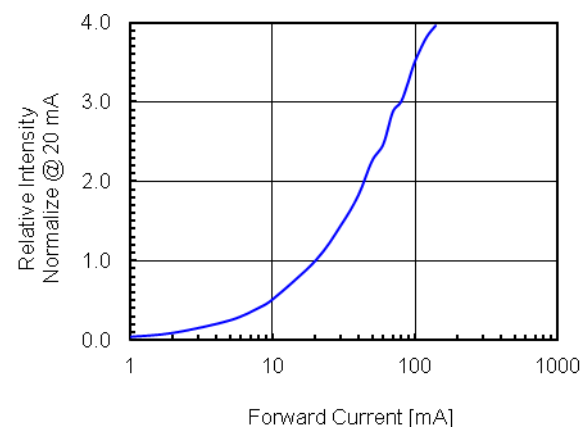


Fig 3. Forward Voltage vs. Temperature

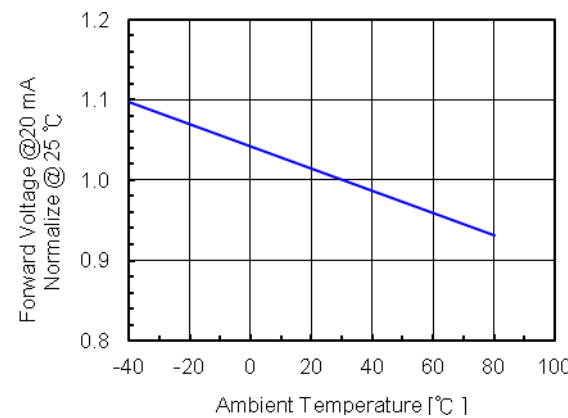


Fig 4. Relative Intensity vs. Temperature

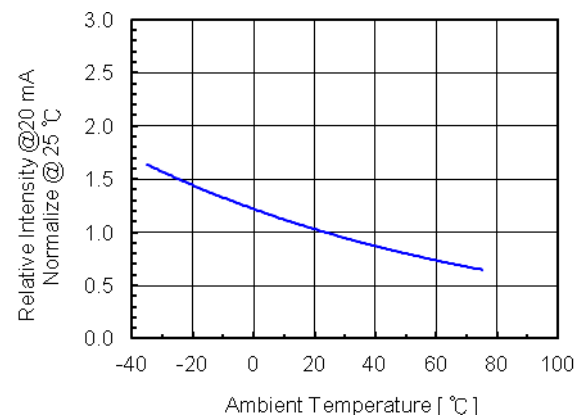


Fig 5. Relative Intensity vs. Wavelength

