

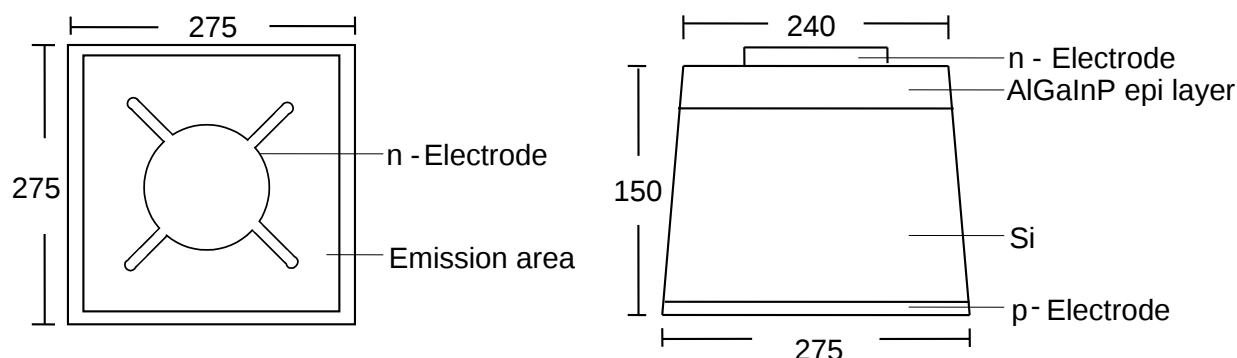
■ Features :

- 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	Chip size	275±25 μm x 275±25 μm
	Thickness	150±25 μm
	Emission area	240±25 μm
	Bonding pad	110±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	IF = 20 mA	1.80	-	2.30	V
Reverse Current	I_R	Vz = 5 V	-	-	10	μA
Wavelength	λ_P	IF = 20 mA	-	660	-	nm
	λ_D	IF = 20 mA	640	-	645	nm
Spectral width at half height	$\Delta\lambda$	IF = 20 mA	-	20	-	nm
Luminous Intensity	I_v	IF = 20 mA	180	-	320	mcd

■ Typical Electro-Optical Characteristics Curve:



Fig 1. Forward Current vs. Forward Voltage

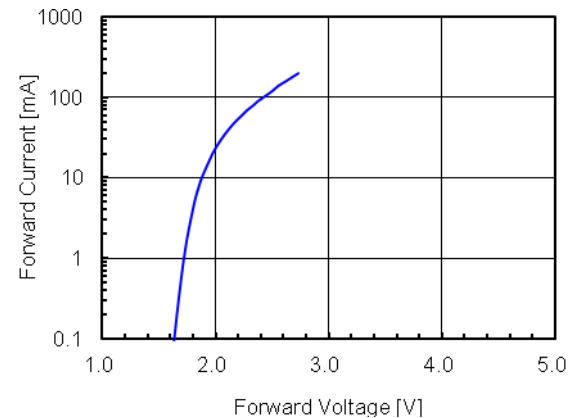


Fig 2. Relative Intensity vs. Forward Current

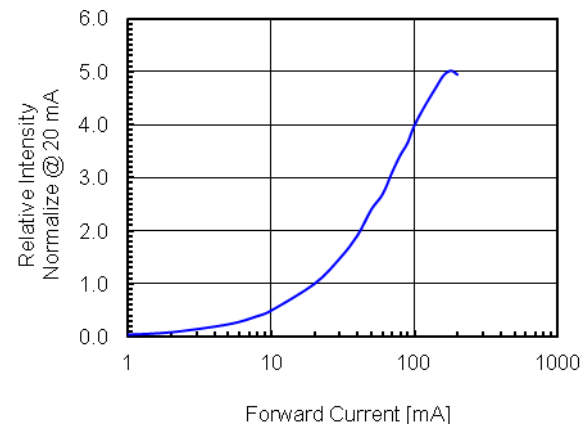


Fig 3. Forward Voltage vs. Temperature

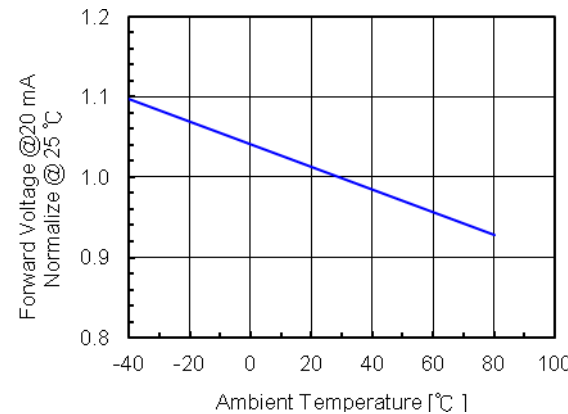


Fig 4. Relative Intensity vs. Temperature

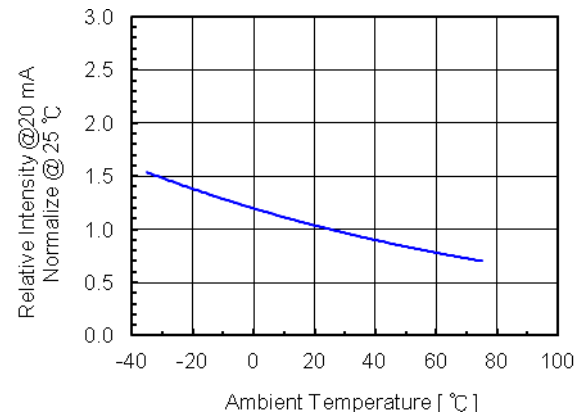


Fig 5. Relative Intensity vs. Wavelength

