

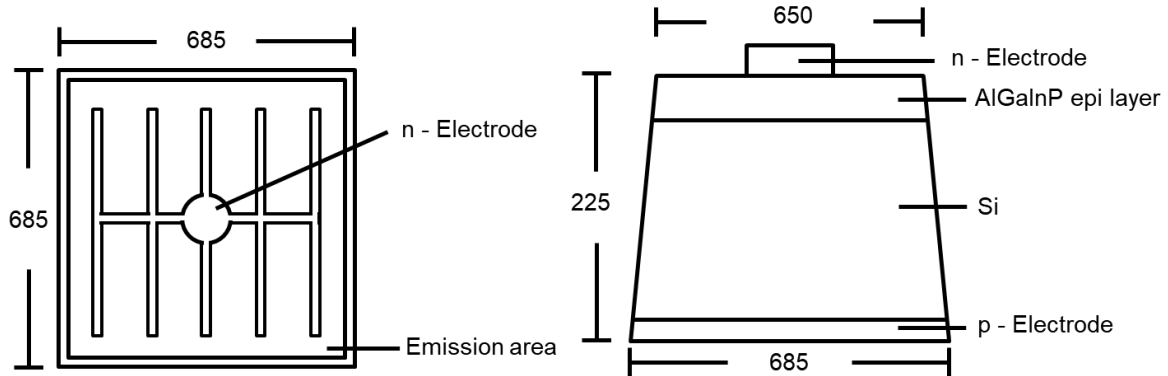
Features :

- 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: um)



Physical Structure :

Chip dimension	Chip size	685±25 um x 685±25 um
	Thickness	225±25 um
	Emission area	650±25 um
	Bonding pad	125±10 um
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

*C2

Electro-Optical Characteristics : (Ta = 25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	IF = 350 mA	1.8	-	2.4	V
Reverse Current	I_R	Vz = 5 V	-	-	10	uA
Dominant Wavelength	λ_D	IF = 350 mA	640	-	650	nm
Spectral width at half height	$\Delta \lambda$	IF = 350 mA	-	25	-	nm
Luminous Intensity	I_v	IF = 350 mA	7000	-	12000	mcd

Typical Electro-Optical Characteristics Curve:



Fig 1. Forward Current vs. Forward Voltage

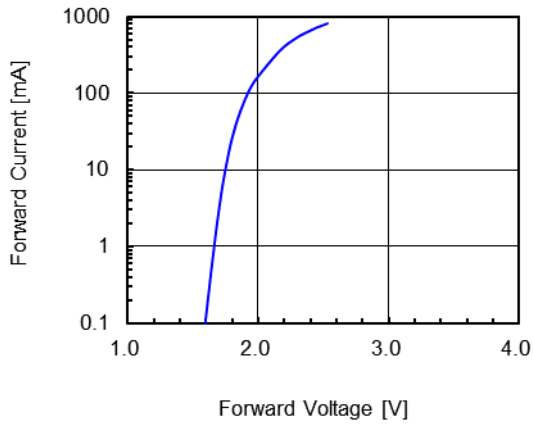


Fig 2. Relative Intensity vs. Forward Current

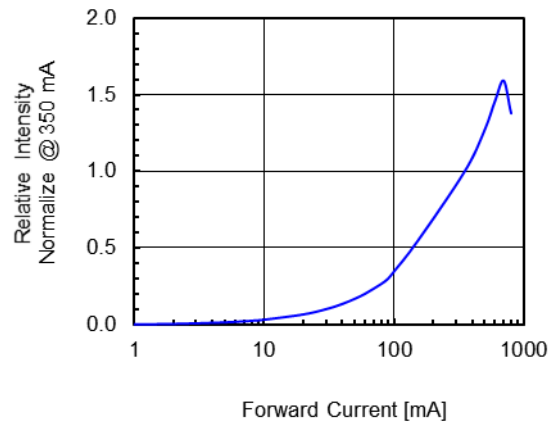


Fig 3. Forward Voltage vs. Temperature

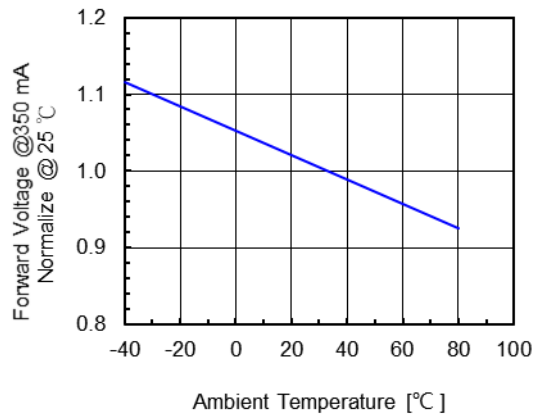


Fig 4. Relative Intensity vs. Temperature

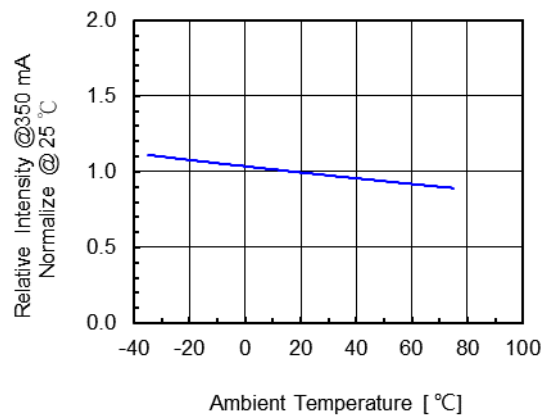


Fig 5. Relative Intensity vs. Wavelength

