

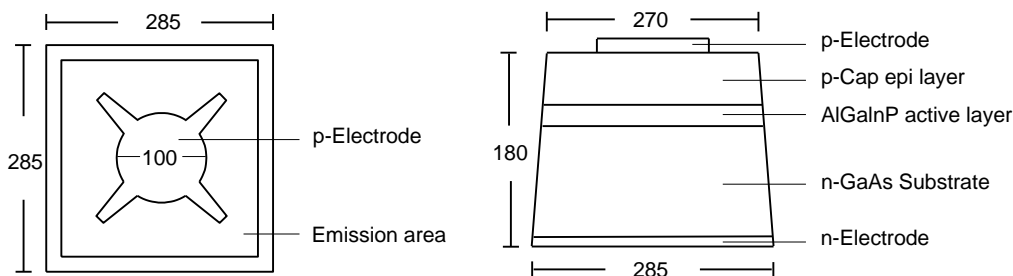
■ Features :

- MOVPE Epi Wafer
- Suitable for New Creative Products

■ Typical Applications :

- Automotive Signal Lamps: Stop/ Tail Lights
- Automotive Interior Lighting
- Commercials

■ Outline Dimensions : (Unit:um)



■ Physical Structure :

Chip dimension	Chip size	285 um x 285 um
	Thickness	180 um
	Emission area	270 um
	Bonding pad	100 um
Electrode	Top: P (anode)	Gold (Aluminum optional)
	Backside: N (cathode)	Gold alloy
Surface condition	Not frosted	

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20 \text{ mA}$	-	1.95	2.40	V
Reverse Voltage	V_R	$I_R = 10 \text{ uA}$	5	-	-	V
Wavelength	λ_P	$I_F = 20 \text{ mA}$	-	-	-	nm
	λ_D		634	637	640	
Spectral width at half height	$\Delta \lambda$	$I_F = 20 \text{ mA}$	-	20	-	nm
Luminous Intensity	I_v	$I_F = 20 \text{ mA}$	50	-	-	mcd
			65	-	-	

■ Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

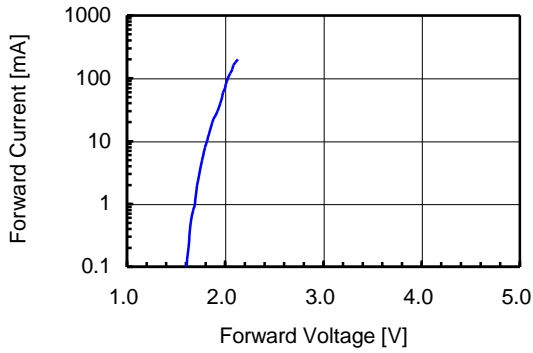


Fig 2. Relative Intensity vs. Forward Current

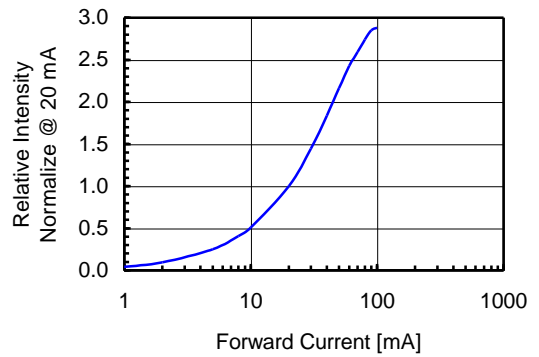


Fig 3. Forward Voltage vs. Temperature

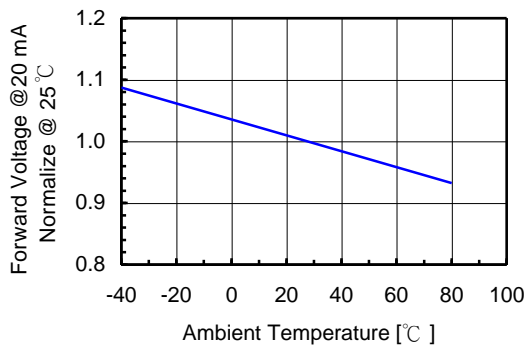


Fig 4. Relative Intensity vs. Temperature

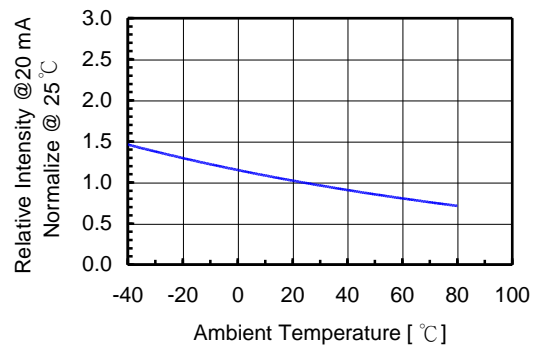


Fig 5. Relative Intensity vs. Wavelength

