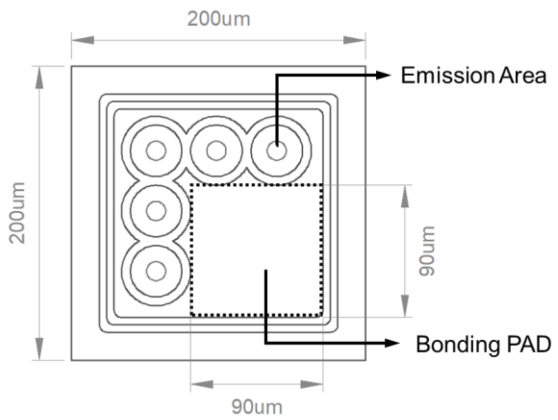
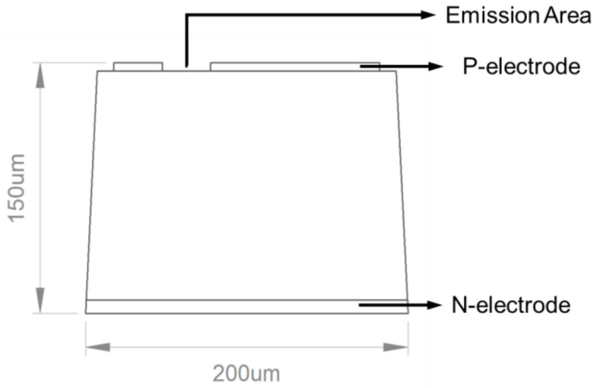
Features & Applications :

- 650 nm Wavelength
- Multi-emitters

Outline Dimensions : (Unit: um)





Physical Structure :

Chip dimension	Chip size	200um x 200um
	Bonding Pad	90um x 90um
	Thickness	150 ± 20 um
Electrode	N (cathode)	Gold
	P (anode)	Gold

Electro-Optical Characteristics :

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Output Power	Po	IF = 15 mA	5	6.5	--	mW
Forward Voltage	VF	IF = 15 mA	--	2.4	--	V
Threshold Current	Ith	--	--	5.0	--	mA
Wavelength	λ p	IF = 15 mA	640	650	660	nm
Beam Divergence (1/e2)	θ	IF = 15 mA	--	18.0	--	degree

■ Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

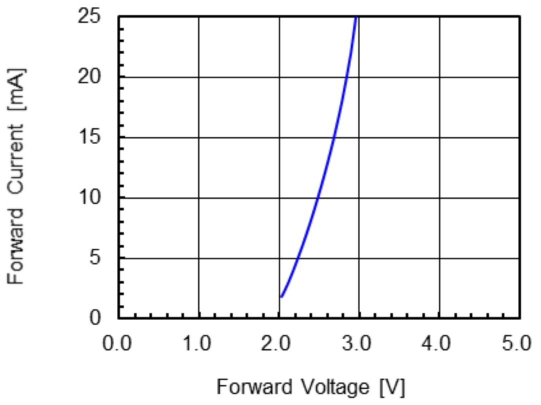


Fig 2. Relative Radiant Power vs Wavelength

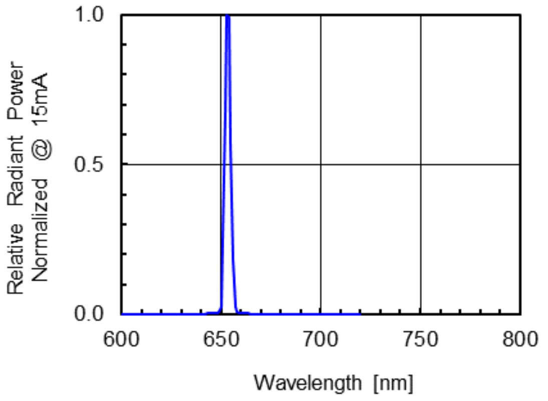


Fig 3. Relative Radiant Power

vs. Forward DC Current

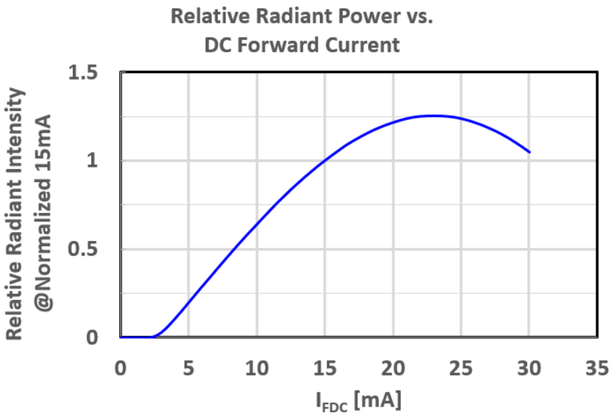


Fig 4. Relative Radiant Power

vs. emission angle

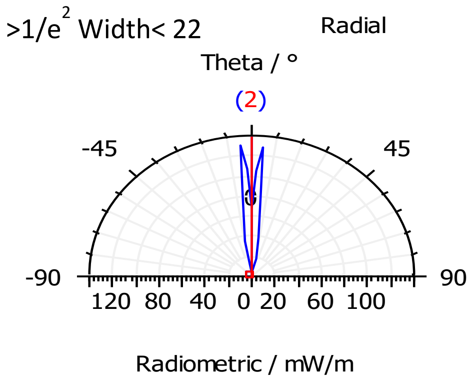


Fig 5. Forward DC Voltage vs. Temperature

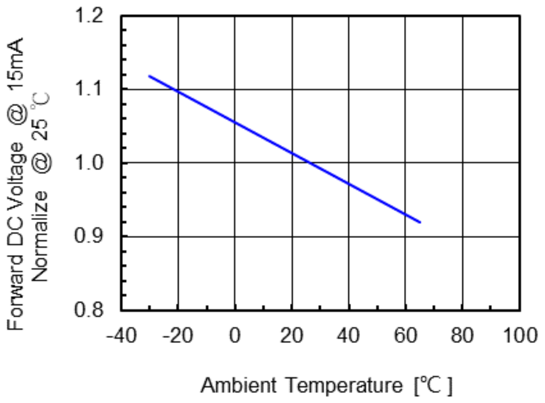


Fig 6. Relative Radiant Power vs. Temperature