
Selection Guide

Part No.	Dice		Lens Color	Iv(mcd)(If=20mA)			Viewing Angle (2θ½)
	Raw Material	Emitted Color		MIN	TYP	MAX	
SE-LED1.88050-CW5	InGaN	White	Water Clear	4000	8000	-	50°

Absolute Maximum Ratings(Ta=25C°)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	93	mW
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	100	mA
Continuous Forward Current	I _{Fmax}	30	mA
Reverse Voltage	V _R	5	V
Capacitance	C	20	pF
Operating / Storage Temperature Range	T _{opr} / T _{stg}	-40°C to +85°C	
Lead Solder Temperature	T _{sol}	260°C for 3 seconds	

Electrical / Optical Characteristics(Ta=25C°)

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Coordinates	X	-	0.28	-	--	I _F =20mA
	Y	-	0.28	-	--	I _F =20mA
Color Temperature	C _T	8000	---	13000	K	I _F =20mA
Forward Voltage	V _F	2.8	3.0	3.5	V	I _F =20mA

NOTES:

1. All dimensions are in millimeter;
2. Tolerance is ±0.25mm, unless other specified; Luminous intensity tolerance is ±10%;
3. Dominant Emission Wavelength tolerance is ±5%; Specifications are subject to change without notice.

■ **Typical Electro-Optical Characteristic Curve:**

FIG. 1 Forward Current Vs. Forward Voltage

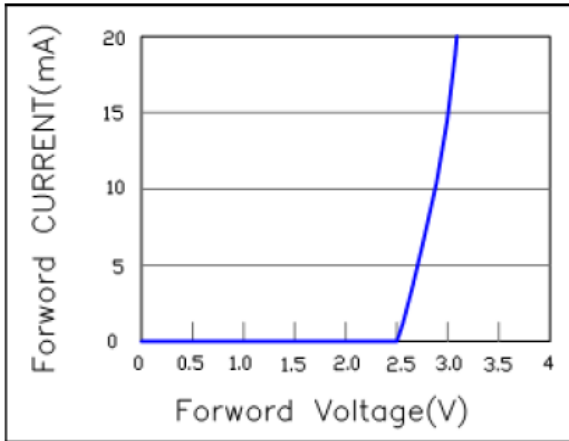


FIG. 2 Relative Intensity Vs. Forward Current

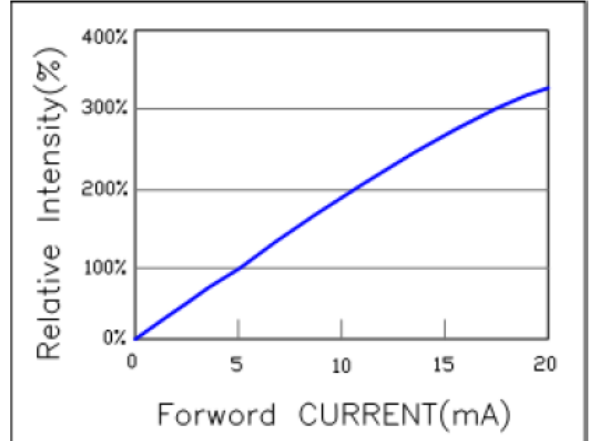


FIG. 3 Forward Voltage Vs. Temperature

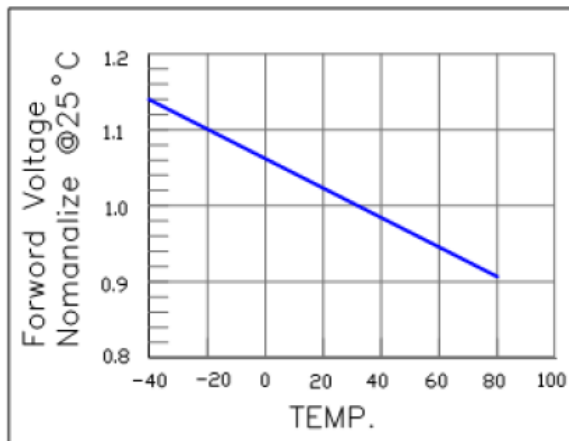


FIG. 4 Relative Intensity Vs. Temperature

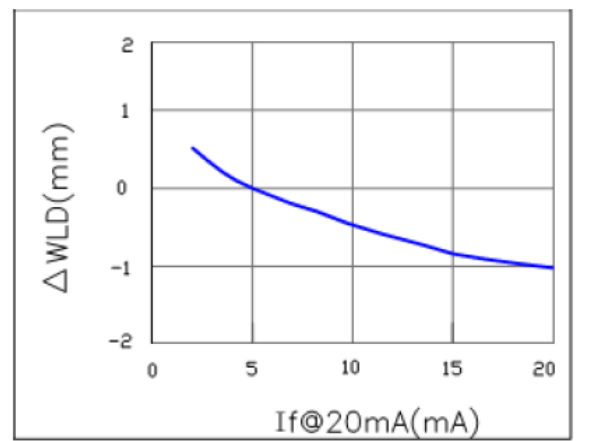


FIG. 5 Relative Intensity Vs. Wavelength

