SPECIFICATION FOR APPROVAL

★ **LED Type: 5050 SMD**

★ **Emission Color: Blue**

★ **Lens Appearance: Water Clear**

★ **Quality & Safety Certification: RoHS**

CUSTOMER APPROVED BY	DATE

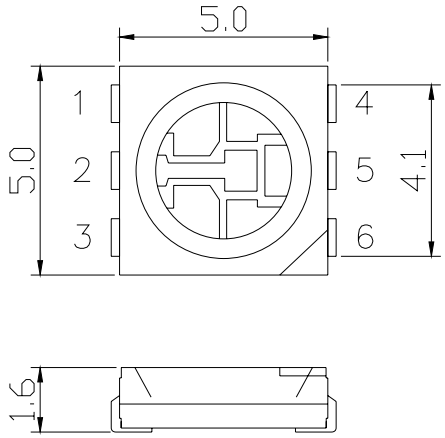
● Features

○. Chip Material: InGaN.
○. Low Power Consumption.
○. High Efficiency.
○. Low Current Requirement.

● Applications

○. Backlight.
○. Traffic Lights.
○. Lights.
○. LED Display.
○. Other Electric Products.

● Package Dimensions



1/2/3.Anode. 4/5/6.Cathode.

Notes

1: All dimensions are in millimeters.

2: Tolerance is ±0.1mm unless otherwise specified.

● Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	3X120	mW
Forward Current	I_F	3X20	mA
Peak Forward Current*[1]	I_{FP}	3X100	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_{opr}	-20~80	℃
Storage Temperature Range	T_{stg}	-40~85	℃
Soldering Temperature	T_{sol}	260 (for 5 seconds)	℃

● Electrical And Optical Characteristics (Ta=25℃)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F=3X20mA	3.0	3.2	3.4	V
Luminous Intensity	Iv	I_F=3X20mA	1000	1200	1400	mcd
Reverse Current	I_R	V_R=5V	-		10	μA
Dominant Wavelength	λ_D	I_F=3X20mA	460	465	470	nm
Color Temperature	CCT	I_F=3X20mA				K
Viewing Angle	$2\theta_{1/2}$	I_F=3X20mA		120		deg

● Typical Electro-Optical Characteristics Curves

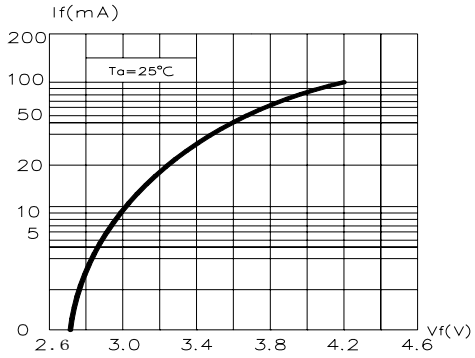


Fig.1 Forward Current vs. Forward Voltage

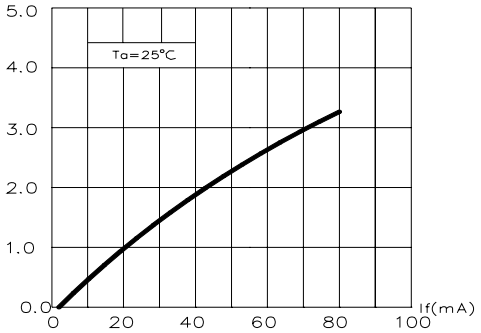


Fig.2 Relative Luminous Intensit vs. Forward Current

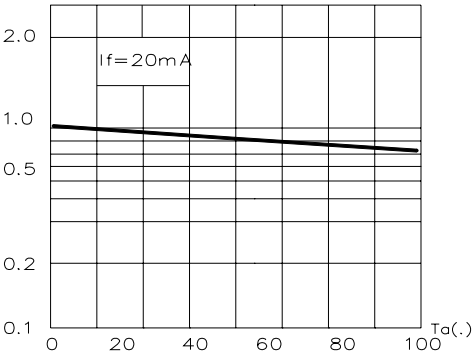


Fig.3 Relative Luminous Intensity vs. Ambient Temperature

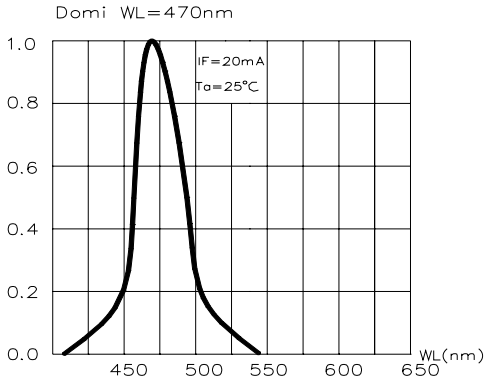


Fig.4 Relative Luminous Flux vs. Wavelength

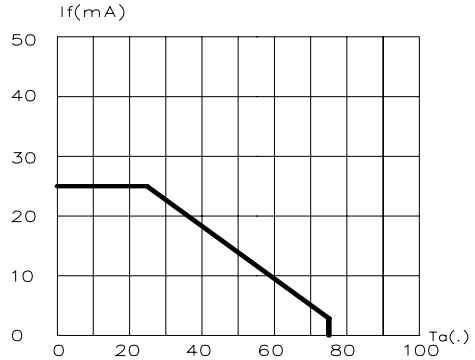


Fig.5 Maximum Forward Current vs. Ambient Temperature

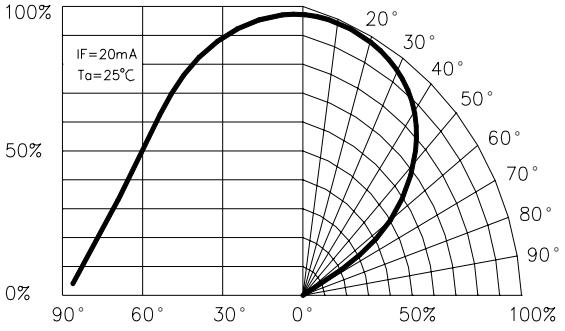


Fig.6 Relative Luminous Intensity vs.Radiation Angle