



# FLUX LED SPECIFICATION



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

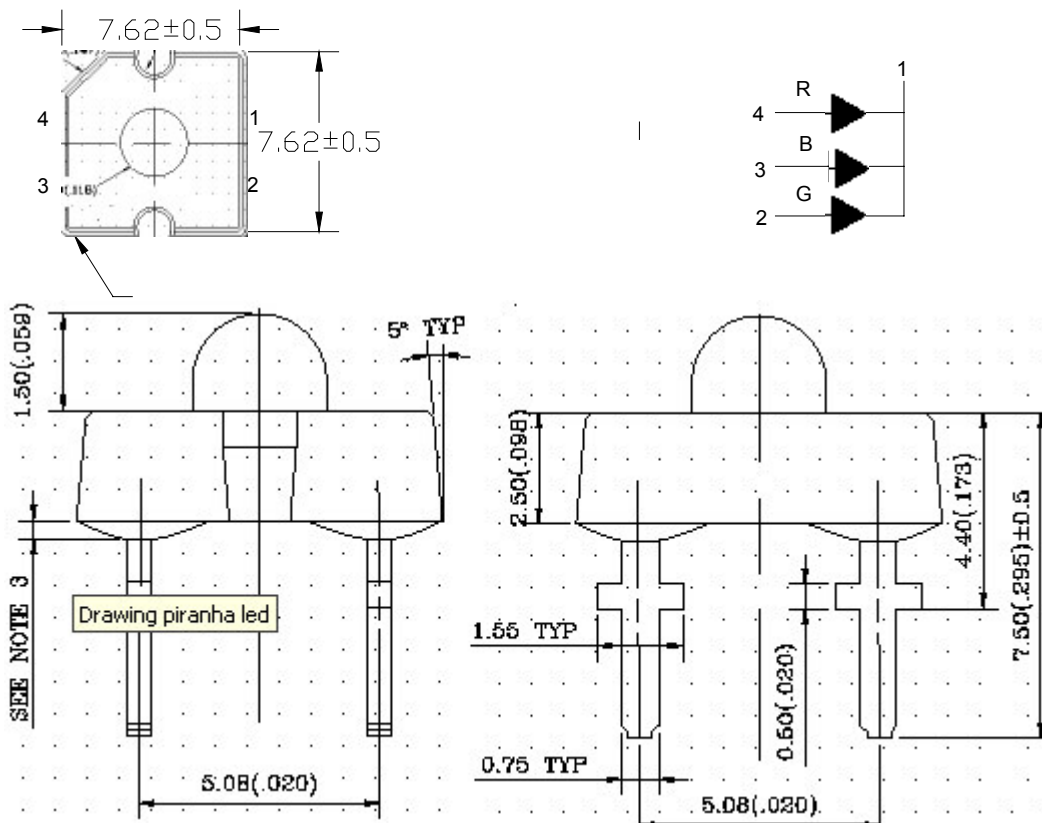
**Part No.: 960RGB2C**

## Fatures:

- Triple color
- High bright output
- High Current Operation
- Low power consumption
- High reliability and long life

## Descriptions:

- Dice material:  
R/G/B: AlGaInP/InGaN//InGaN
- Device Outline: 7.6mmX7.6mm
- Lens Type: Water Clear



## NOTE:

- All dimensions are millimetres.
- Tolerance is  $\pm 0.25$ mm unless otherwise noted



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## **Absolute maximum ratings (Ta = 25°C)**

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	VR	IR = 30 μ A	5	----	V
Forward Current	R	----	----	70	mA
	G		----	50	
	B		----	50	
Power Dissipation	Pd	----	----	150	mW
Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature	Topr	----	-25	+85	°C
Storage Temperature	Tstr	----	-40	+100	°C

## **Electrical and optical characteristics (Ta = 25°C)**

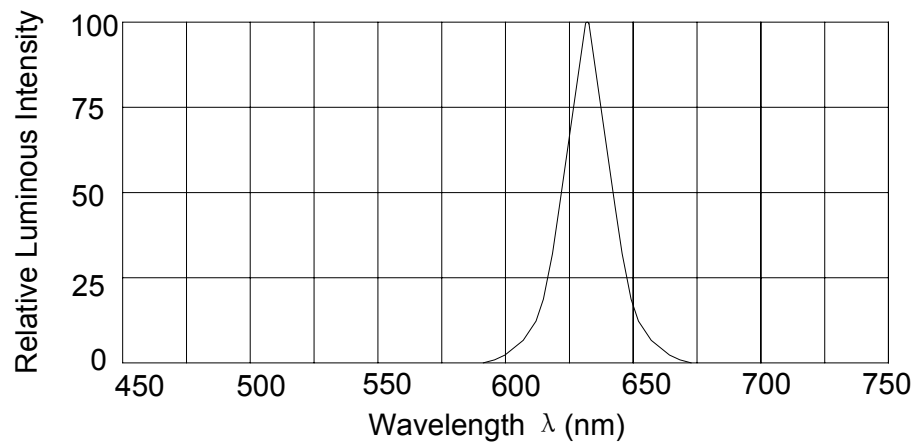
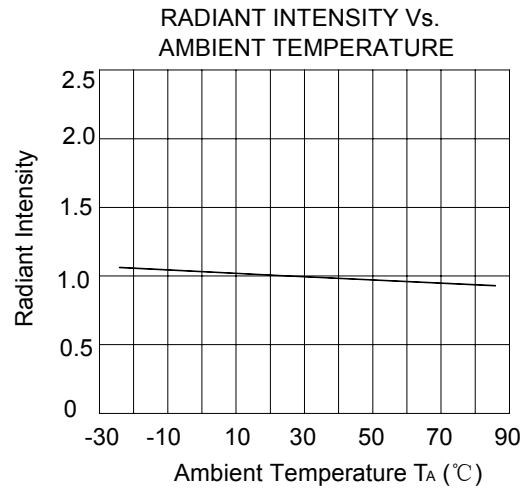
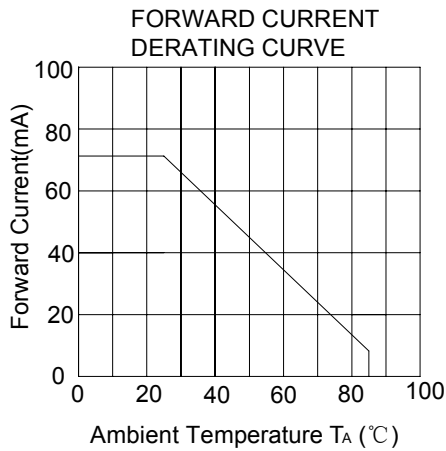
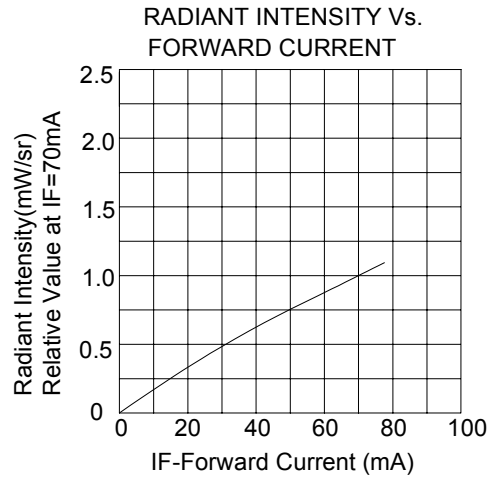
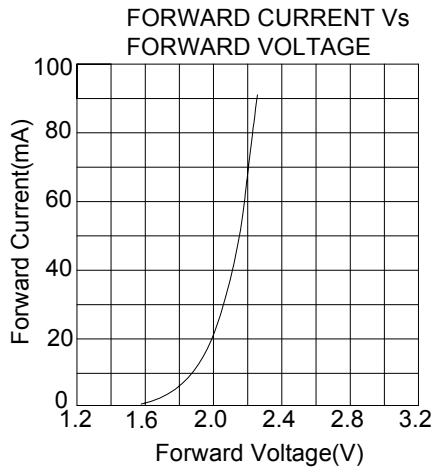
Parameter	Color	Symbol	Test Condition	Value			Unit
				Min.	Typ.	Max.	
Forward Voltage	R	VF	IF = 70mA	----	2.2	2.8	V
	G		IF = 50mA	----	3.5	4.2	
	B		IF = 50mA	----	3.5	4.2	
Reverse Current		IR	VR = 5V	----	----	30	μ A
Dominate Wavelength	R	λ d	IF = 70mA	----	635	----	nm
	G		IF = 50mA	----	525		
	B		IF = 50mA	----	470		
Peak Wavelength	R	λ p	IF = 70mA	----	640	----	nm
	G		IF = 50mA	----	530		
	B		IF = 50mA	----	468		
Spectral Line half-width	R	Δ λ	IF = 70mA	----	20	----	nm
	G		IF = 50mA	----	35		
	B		IF = 50mA	----	20		
Luminous Intensity	R	IV	IF = 70mA	----	700	---	mcd
	G		IF = 50mA	----	1500		
	B		IF = 50mA	----	1000		
Viewing Angle		2 θ 1/2	IF = 70mA	----	60	---	Deg.



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Typical electrical/optical characteristic curves-----RED:

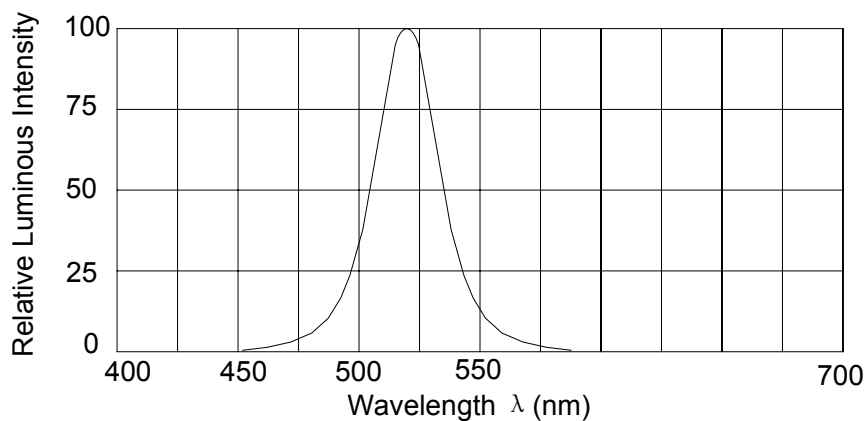
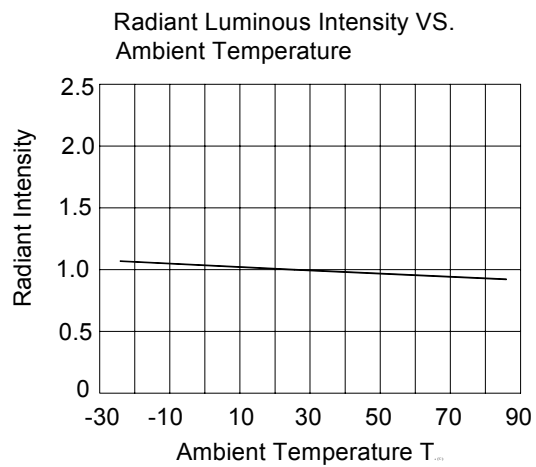
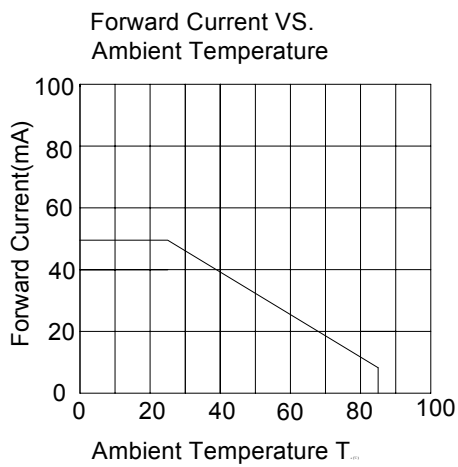
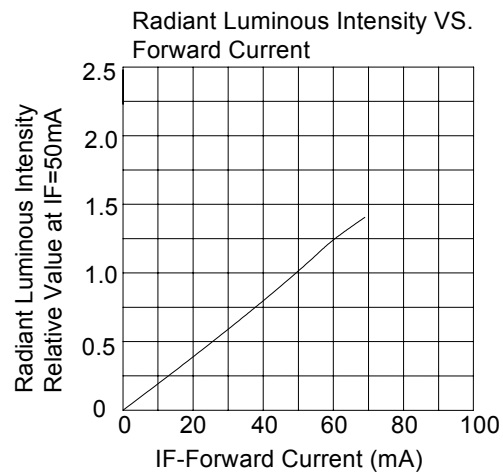
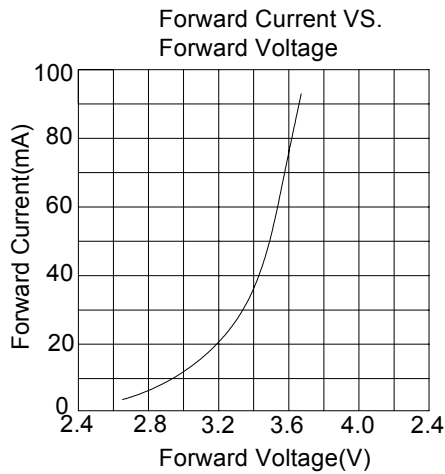




# FLUX LED SPECIFICATION

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Typical electrical/optical characteristic curves-----**GREEN:**





# FLUX LED SPECIFICATION

Part No.: 960RGB2C

Typical electrical/optical characteristic curves-----**BLUE:**

