Part No.: JSL-531RGBC-CA

Features:

- Long life solid state reliability.
- Low power consumption
- I.C.compatible.
- Compliance with EU REACH.
- RoHs Compliant

Descriptions:

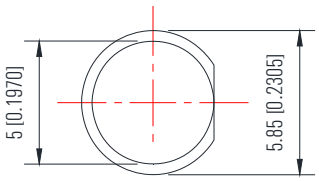
- Emitting Color: Super Bright RGB.
- Device Outline: Φ5mm Round Type.
- Lens Type: Water Clear.
- Four Leads With One Common Anode Type.

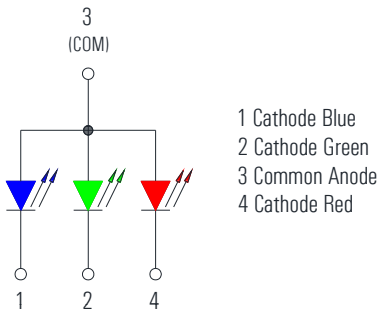
Application:

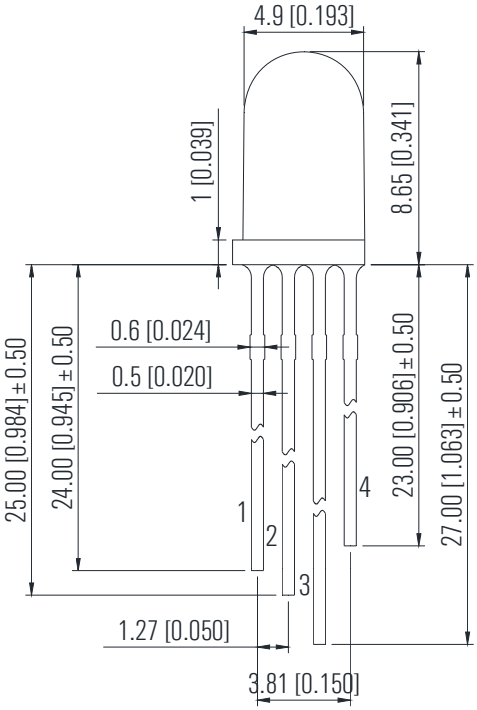
- Circuit board.
- TV set.
- Computer.
- Home appliance.
- Industrial.

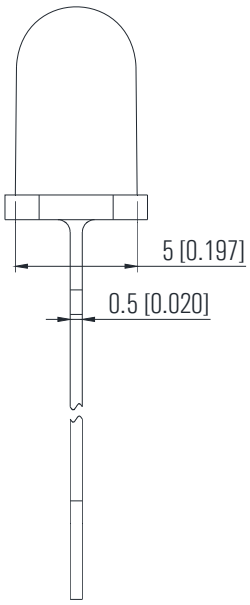
Part No.: JSL-531RGBC-CA

Package Dimension:









Notes:

1. All dimensions are millimeters/单位：mm.
2. Tolerance is +/-0.25mm unless otherwise noted/
没有标注的公差均为±0.25mm

Part No.: JSL-531RGBC-CA

Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol	Test Condition	Values		Unit
			Min.	Max.	
Reverse Voltage	VR	IR = 30 μA	----	5	V
Forward Current	IF	----	----	25	mA
Power Dissipation	Red	Pd	——	60	mW
	Green			90	
	Blue			90	
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	100	mA
Operating Temperature	Topr	----	-40	+85	℃
Storage Temperature	Tstr	----	-40	+85	℃

Electrical and optical characteristics（Ta = 25℃）

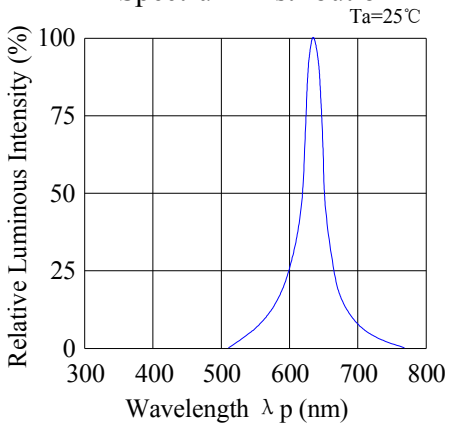
Parameter	Symbol	Test Condition	Color	Value			Unit
				Min.	Typ.	Max.	
Forward Voltage	VF	IF = 20mA	Red	1.8	2.0	2.4	V
			Green	2.6	3.0	3.4	
			Blue	2.6	3.0	3.4	
Reverse Current	IR	VR = 5V		---	---	5	μA
Dominate Wavelength	λd	IF = 20mA	Red	---	624	---	nm
			Green	---	525	---	
			Blue	---	470	---	
Peak Wavelength	λp	IF = 20mA	Red	---	632	---	nm
			Green	---	520	---	
			Blue	---	468	---	
Spectral Line half-width	Δλ	IF=20mA		---	20	---	nm
Luminous Intensity	Iv	IF = 20mA	Red	2000	2500	---	mcd
			Green	4000	6000	---	
			Blue	1500	2000		
Viewing Angle	2θ1/2	IF = 20mA		---	30	---	deg

Part No.: JSL-531RGBC-CA

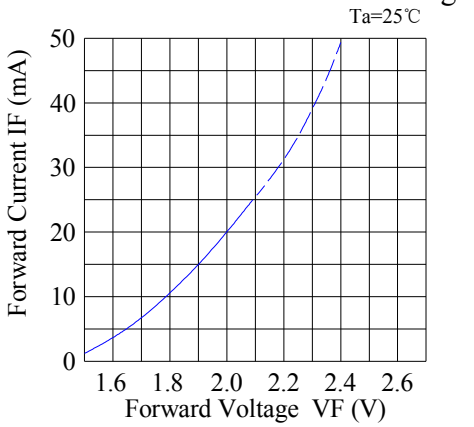
Typical electrical/optical characteristic curves:

(25℃Ambient Temperature Unless Otherwise Noted)

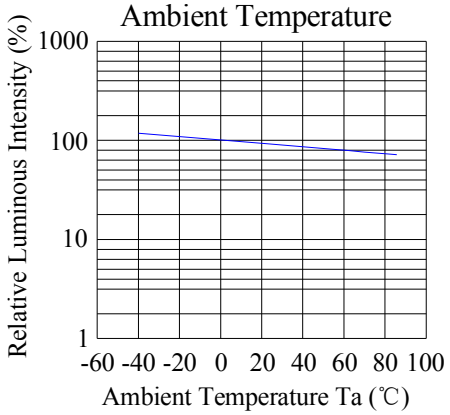
Spectrum Distribution



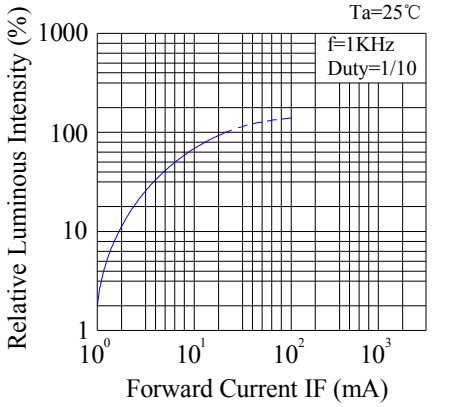
Forward Current & Forward Voltage



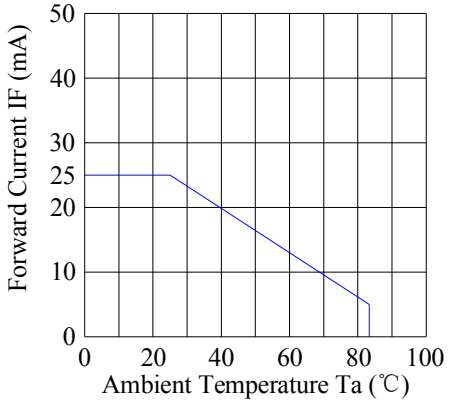
Luminous Intensity & Ambient Temperature



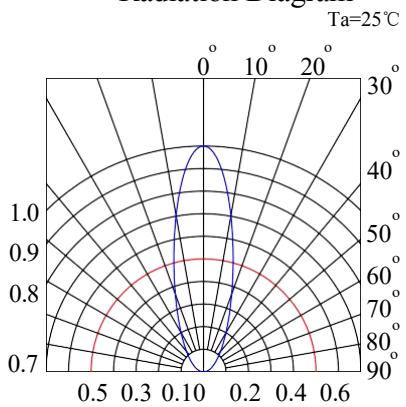
Luminous Intensity & Forward Current



Forward Current Derating Curve



Radiation Diagram

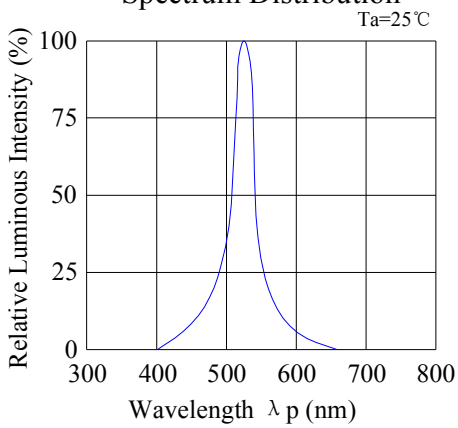


Part No.: JSL-531RGBC-CA

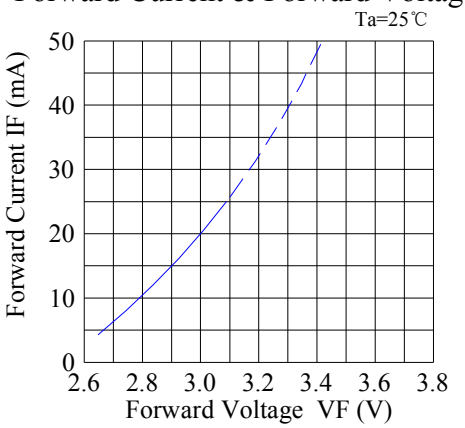
Typical electrical/optical characteristic curves:

(25℃Ambient Temperature Unless Otherwise Noted)

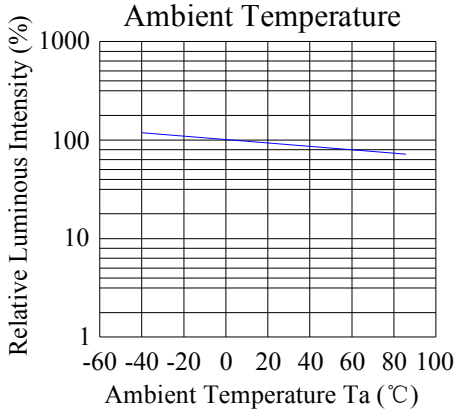
Spectrum Distribution



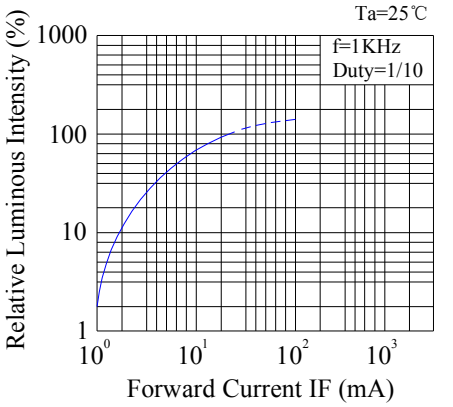
Forward Current & Forward Voltage



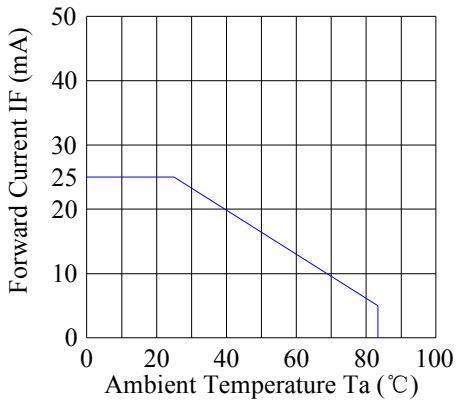
Luminous Intensity & Ambient Temperature



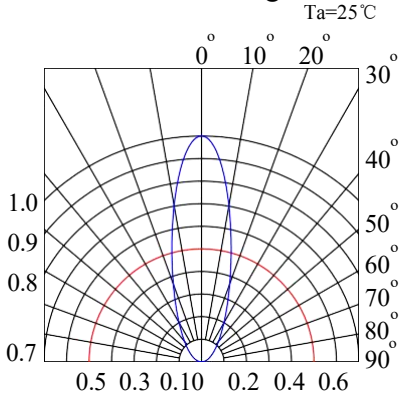
Luminous Intensity & Forward Current



Forward Current Derating Curve



Radiation Diagram

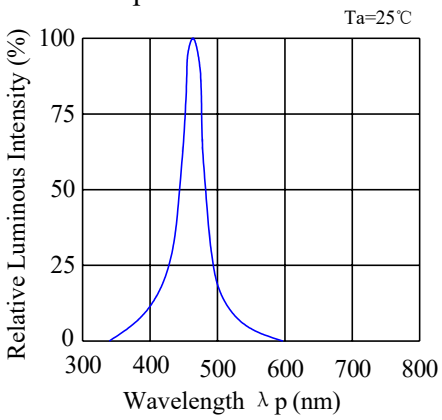


Part No.: JSL-531RGBC-CA

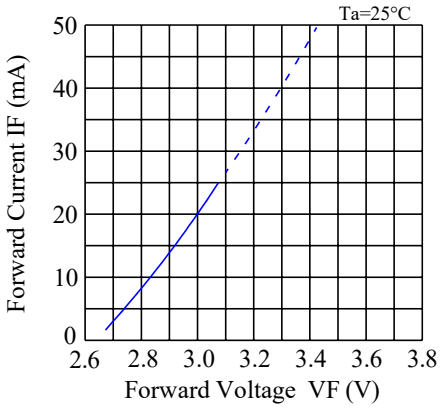
Typical electrical/optical characteristic curves:

(25℃Ambient Temperature Unless Otherwise Noted)

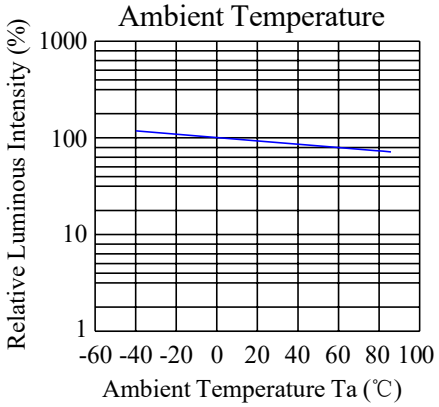
Spectrum Distribution



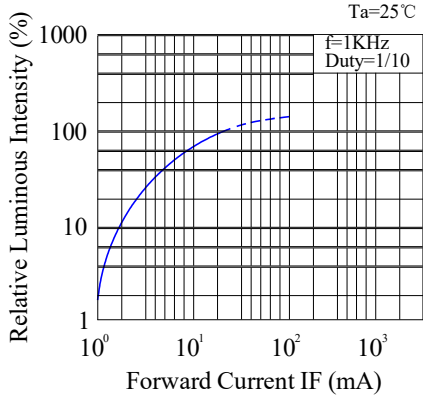
Forward Current & Forward Voltage



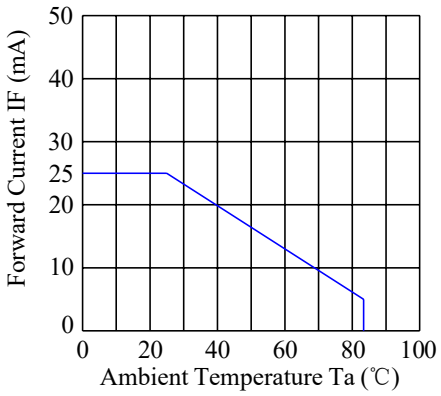
Luminous Intensity & Ambient Temperature



Luminous Intensity & Forward Current



Forward Current Derating Curve



Radiation Diagram

