Part No.: JSL-521YGC-CA

Features:

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

Descriptions:

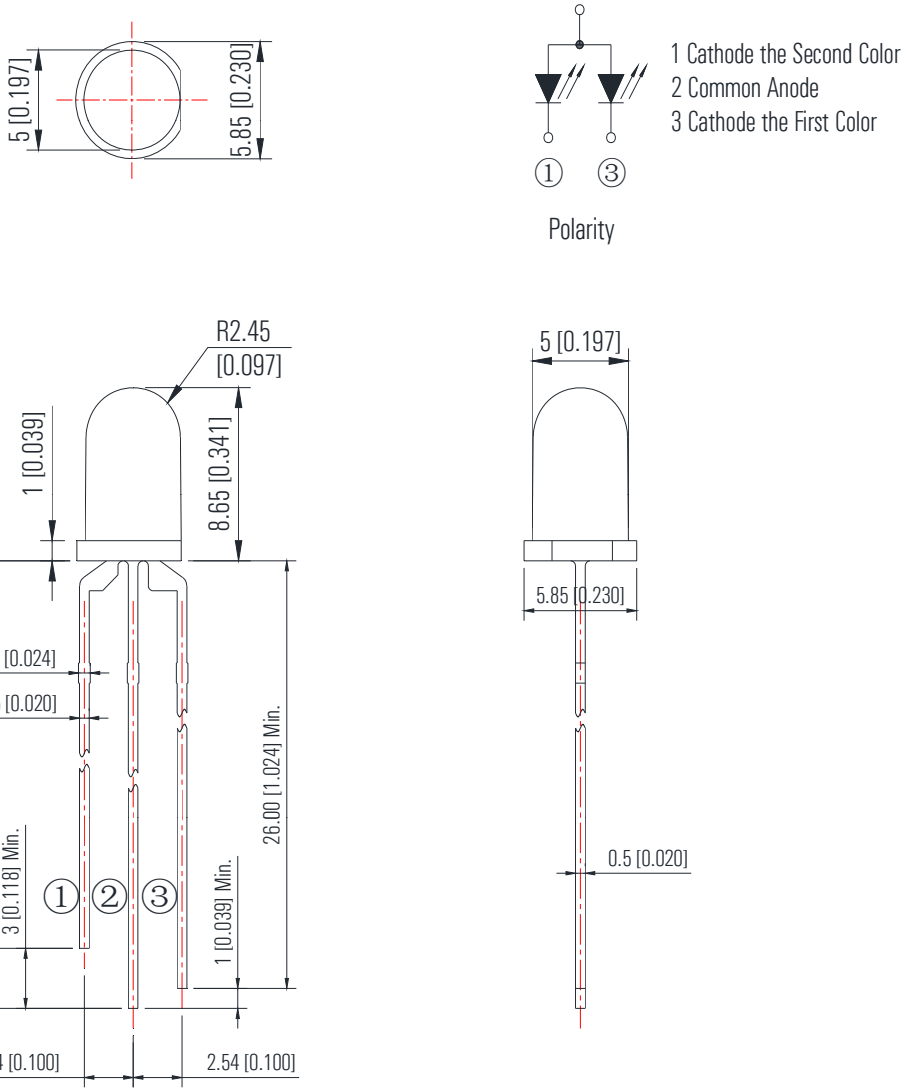
- Emitting Color: Yellow+Yellow Green Bi-Color.
- Device Outline: Φ5mm Round Type.
- Lens Type: Water Clear.
- Three Leads With One Common Anode Type.
- The designed for avariety of applications where require dual illumination.

Application:

- Circuit board.
- Indicators.
- Computer.
- Home appliance.
- Industrial.

Part No.: JSL-521YGC-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-521YGC-CA

Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol	Test Condition	Values		Unit
			Min.	Max.	
Reverse Voltage	V_R	I_R = 30 μA	----	5	V
Forward Current	I_F	----	----	25	mA
Power Dissipation	P_d	----	Yellow	60	mW
			Yellow Green	60	
Pulse Current	I_{peak}	Duty=0.1mS，1kHz	----	100	mA
Operating Temperature	T_{opr}	----	-40	+85	℃
Storage Temperature	T_{str}	----	-40	+85	℃

Electrical and optical characteristics（Ta = 25℃）

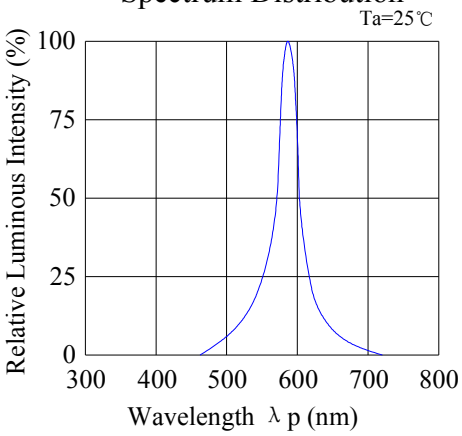
Parameter	Symbol	Test Condition	Color	Value			Unit
				Min.	Typ.	Max.	
Forward Voltage	V_F	I_F = 20mA	Y	1.8	2.0	2.3	V
			G	1.8	2.0	2.3	
Reverse Current	I_R	V_R = 5V	Y	---	---	5	μA
			G	---	---	5	
Dominate Wavelength	λ_d	I_F = 20mA	Y	---	590	---	nm
			G	---	571	---	
Peak Wavelength	λ_p	I_F = 20mA	Y	---	592	---	nm
			G	---	573	---	
Spectral Line half-width	$\Delta\lambda$	I_F=20mA	Y	----	20	----	nm
			G				
Luminous Intensity	I_V	I_F = 20mA	Y	500	800	----	mcd
			G	70	130	----	
Viewing Angle	$2\theta_{1/2}$	I_F = 20mA	Y	---	30	---	deg
			G				

Part No.: JSL-521YGC-CA

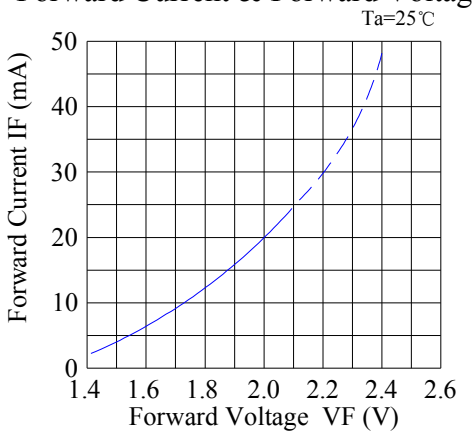
Typical electrical/optical characteristic curves:

(25℃Ambient Temperature Unless Otherwise Noted)

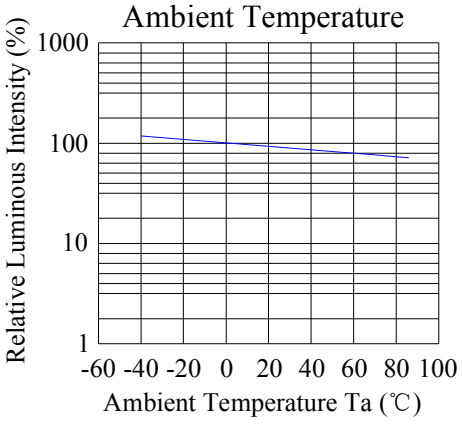
Spectrum Distribution



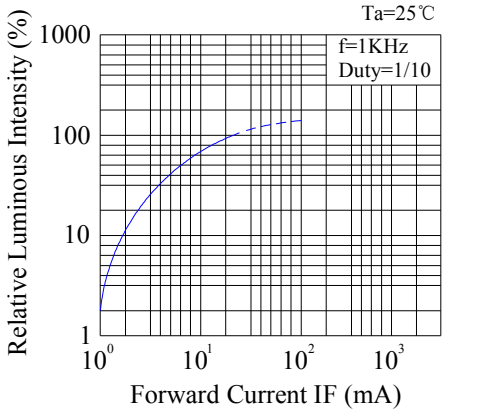
Forward Current & Forward Voltage



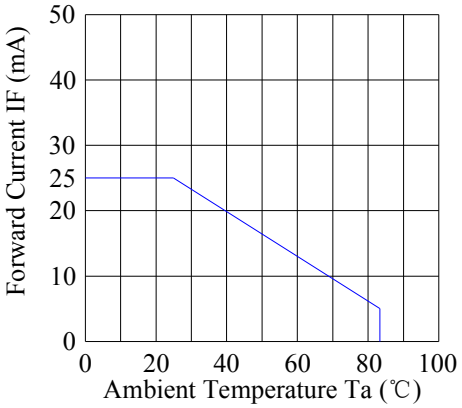
Luminous Intensity & Ambient Temperature



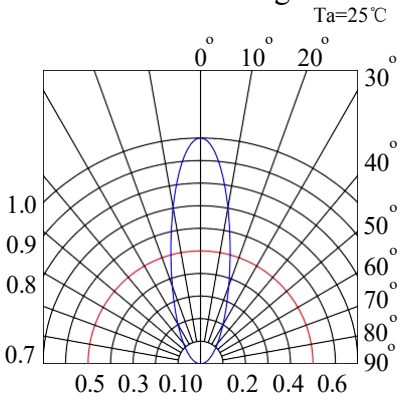
Luminous Intensity & Forward Current



Forward Current Derating Curve



Radiation Diagram

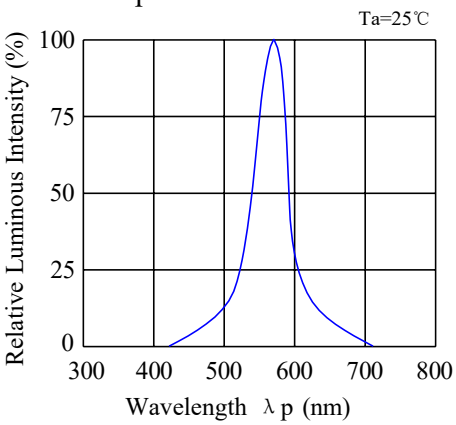


Part No.: JSL-521YGC-CA

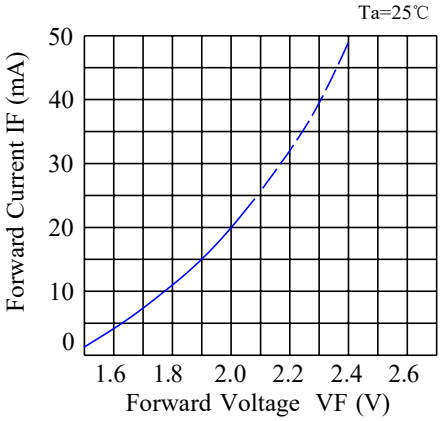
Typical electrical/optical characteristic curves:

(25℃Ambient Temperature Unless Otherwise Noted)

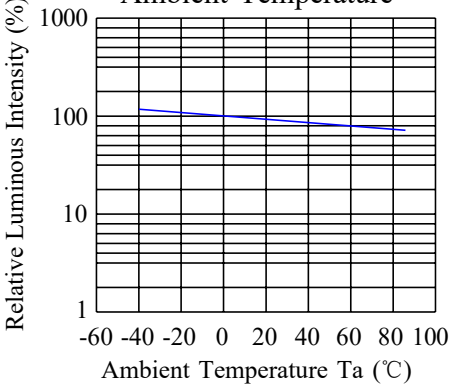
Spectrum Distribution



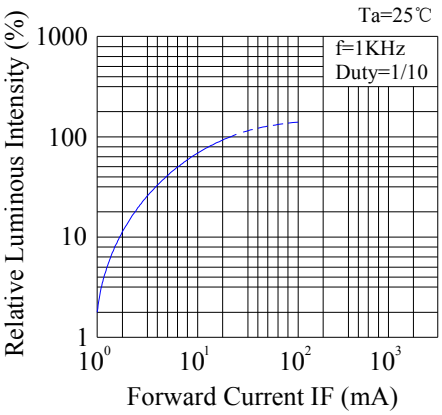
Forward Current & Forward Voltage



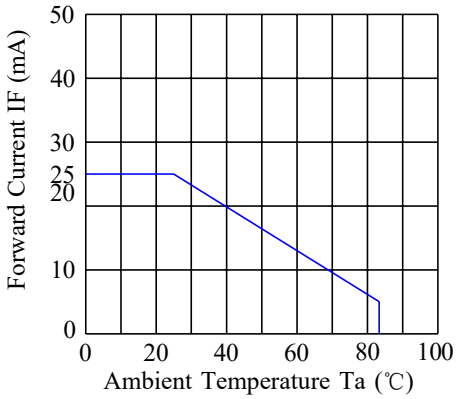
Luminous Intensity & Ambient Temperature



Luminous Intensity & Forward Current



Forward Current Derating Curve



Radiation Diagram