

PRODUCT SPECIFICATION

Model No.: OL5016SURUGW1C

Descriptions:
■ Dice material: AlGaInP/AlGaInP
■ Emitting Color: Super Bright Red/Yellow Green.
■ Device Outline: Φ 5mm round type.
■ Lens Type: White diffused.



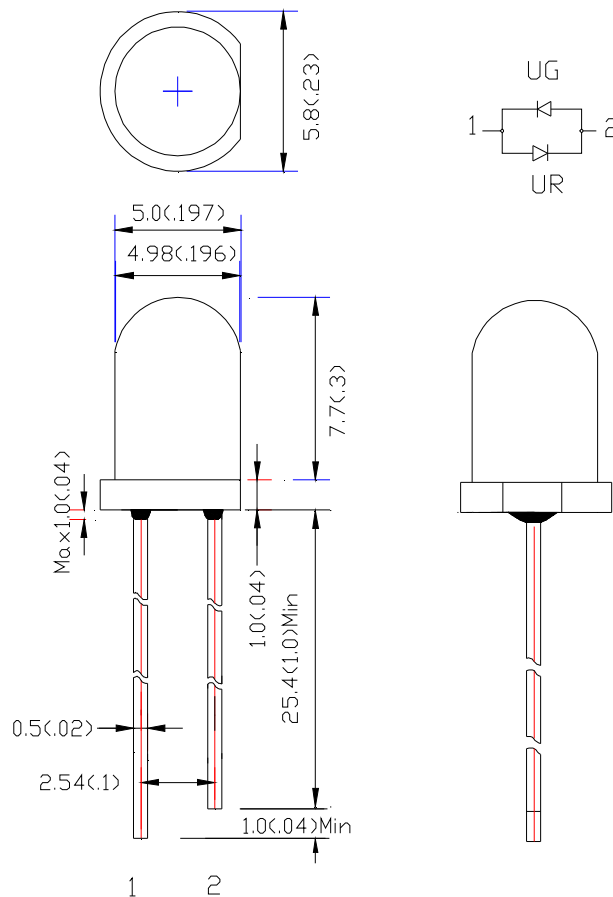
CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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■ **Features**

1. Low power consumption.
2. High efficiency.
3. General purpose leads.
4. High intensity.
5. RoHs compliant.

■ **Package configuration**



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm} (.010\text{'})$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prio

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■ Absolute Maximum Ratings(Ta=25° C)

Items	Symbol	Absolute maximum Rating		Unit
		UR	UG	
Forward Current(DC)	IF	30	30	mA
Peak Forward Current*	IFP	100	100	mA
Power Dissipation	PD	78	78	Mw
Operation Temperature	Topr	-40°C to +85°C		°C
Storage Temperature	Tstg	-40°C to +100°C		°C
Reverse Voltage	VR	5		V
Lead Soldering Temperature[4mm(.157") From Body]	Tsol	260°C for 5 Seconds		

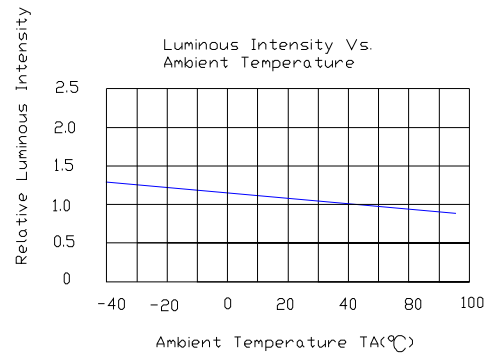
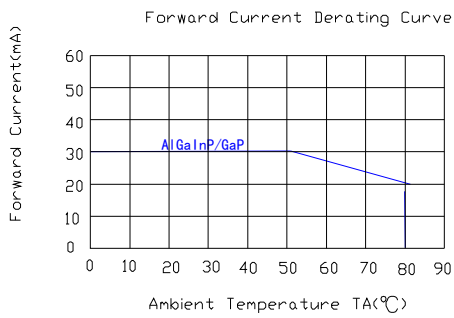
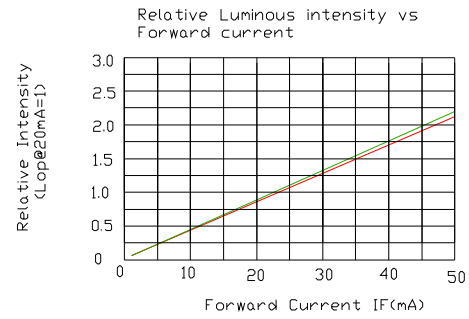
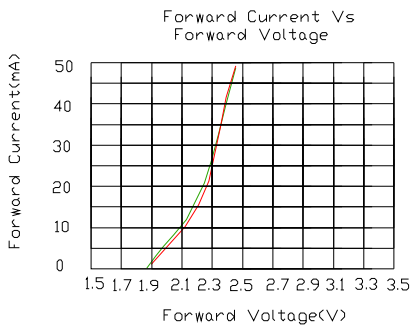
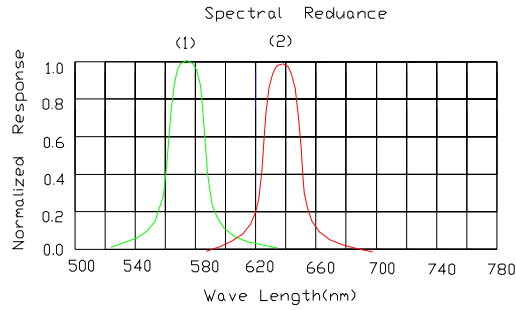
■ Typical Electrical & Optical Characteristics(Ta=25°C)

Items	Symbol	Condition	Min.	Typ	Max.	Unit	
Forward Voltage	VF	IF = 20mA	UR	1,70	1,90	2,40	V
			UG	1,90	2,10	2,60	
Peak Emission Wavelength	λp	IF = 20mA	UR		630		nm
			UG		568		
Dominant Wavelength	λD	IF = 20mA	UR		625		nm
			UG		570		
Luminous Intensity	IV	IF = 20mA	UR		500		mcd
			UG		200		
Viewing Angle	2θ½	IF = 20mA	---	35	---	Deg	

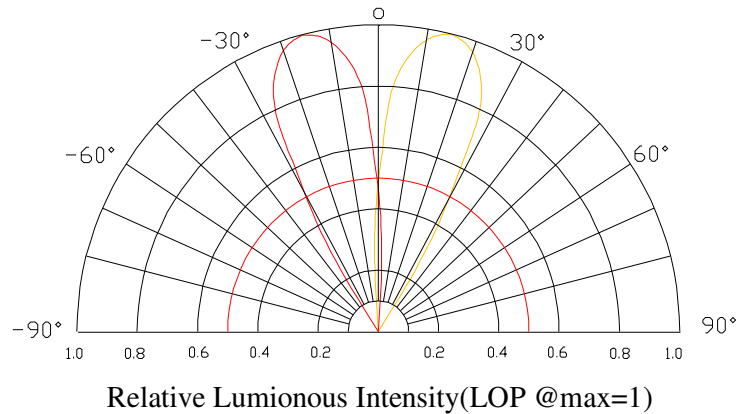
- 1.Luminous Intensity is based on chip standards.
- 2.Pay attention about static for InGaN

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Typical Eletrical/Optical Characteristics Curves(Ta=25° C Unless Otherwise Noted)



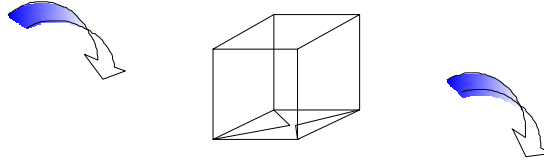
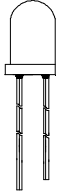
Radiation pattern.



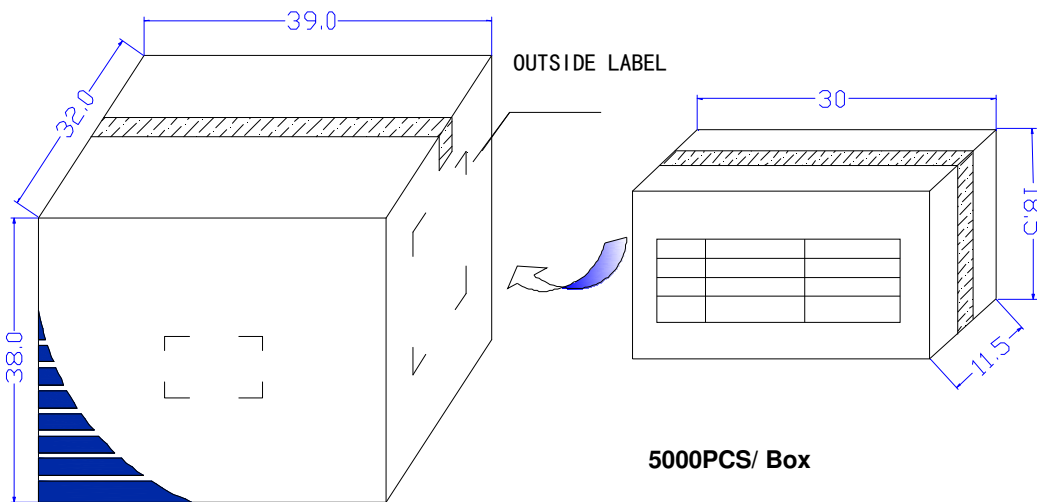
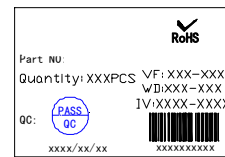
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■ LAMP PACKING.



5mm 500PCS/Polybag



30000PCS/ Carton



OUTSIDE LABEL