



样品承认书

Sample Approval Sheet

产品类别(product type):SMD		
产品名称(product name): 0805green		
产品编号(Part No.): WEJT81GC-R5		
样品编号(Sample No.):		
承认书编号(Acknowledgement Numbers):		
签核 (Signatures)		
核准(Approved)	审核(Checked)	制定(Drawn)

客户 (Customer)		
公司名称(Corporation):		
物料编码(material No.):		
物料名称(Part No.):		
客户确认 (Customer Signatures)		

地址: 深圳市光明新区公明街道玉律社区第六工业区 21 栋

Factory Add: 21st Bld yulv 6th industrial Park, Gen yu Road gongming New District, Shenzhen, Guang Dong China

电话(tel): 0755-29785600 29785800 传真(fax): 0755-29785100 联系人(contact person):

网址(web site): www.wej.cn

邮箱(mail): sale@yongerjia.com



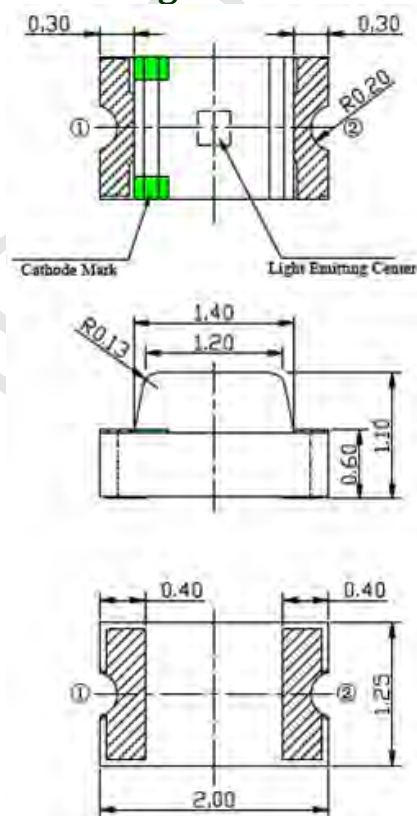
Features

- ※ High intensity
- ※ Reliable and rugged
- ※ Low current requirement
- ※ IC compatible

Description

The Green Lamps are made
With InGaN/Sapphire chip and Water
clear epoxy resin.

Package Dimensions



Notes:

1. All dimensions in mm tolerance is $\pm 0.25\text{mm}$ unless otherwise noted.
2. All dimensions are in mm



Selection Guide

Part No. (产品型号)	Emitted Color (发光颜色)	Resin color (胶体颜色)	Viewing Angle(1) (发光角度) 2θ1/2
WEJT81GC-R5	green	Water Clear	130

Notes:

1. $\theta_{1/2}$ is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Absolute Maximum Ratings($T_a=25^{\circ}\text{C}$)

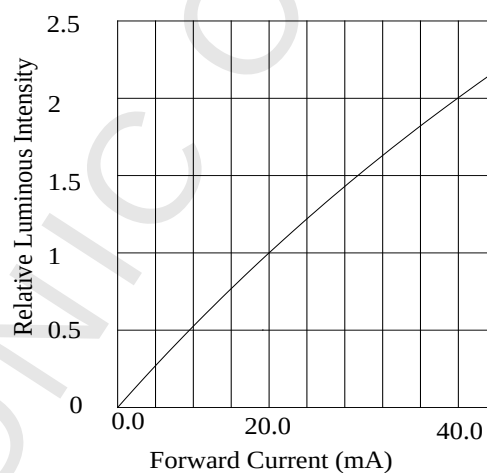
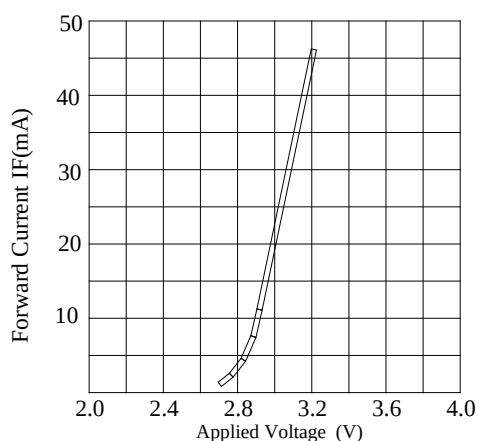
Parameter	Symbol	Rating	Unit
Power Dissipation	PD	120	mW
Forward Current (DC)	IF	30	mA
Peak Forward Current(Pulse width $\leq 0.1\text{msec}$ duty $\leq 1/10$)	IFP	100	mA
Reverse Voltage	VR	5.0	V
Electro-Static-Discharge	ESD	200	V
Operation Temperature Range	Topr	-25to+85	$^{\circ}\text{C}$
Storage Temperature Range	Tstg	-40to+100	$^{\circ}\text{C}$
Lead Soldering Temperature(1.6mm from body) for 5 seconds		260	$^{\circ}\text{C}$

Typical Electrical and Optical Characteristics($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	220	330		mcd
Forward Voltage	Vf	If=20mA		3.0		v
Peak Wavelength	λ_P	If=20mA		520		
Dominant Wavelength	λ_D	If=20mA		525		
Reverse Current	Ir	Vr=5v			50	uA
Viewing Angle	2 $\theta_{1/2}$	If=20mA		130		deg
Spectrum Line Half width	$\Delta \lambda$	If=20mA		30		nm

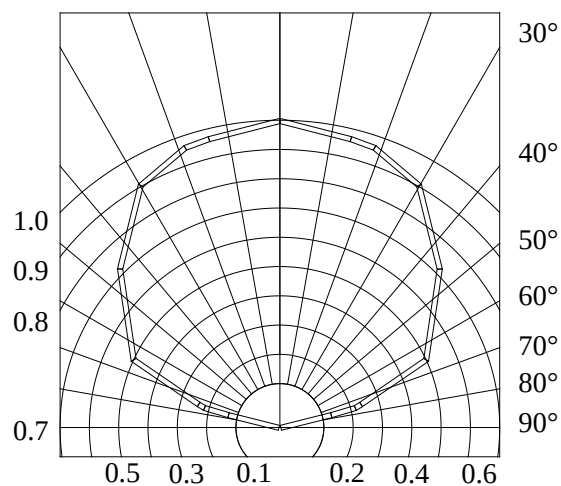
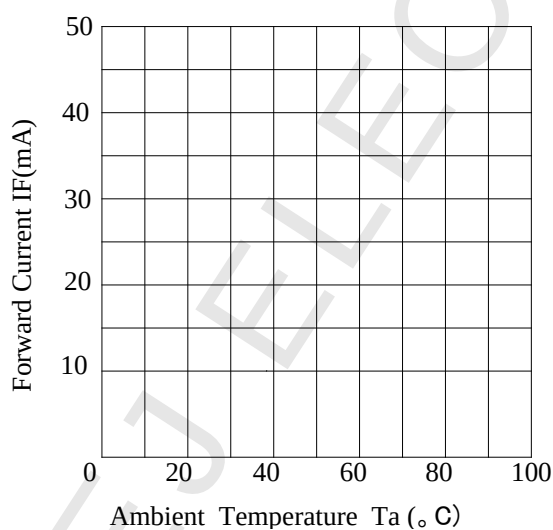


Typical Electrical / Optical Characteristics Curves



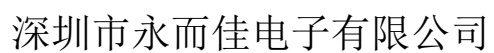
FORWARD CURRENT VS. APPLIED VOLTAGE

FORWARD CURRENT VS. LUMINOUS INTENSITY



AMBIENT TEMPERA TURE VS. FORWARD CURRENT

RADIATION DIAGRAM



SMD

Technical drawing of a cathode assembly. The drawing includes a top view and a side view.

Top View Dimensions:

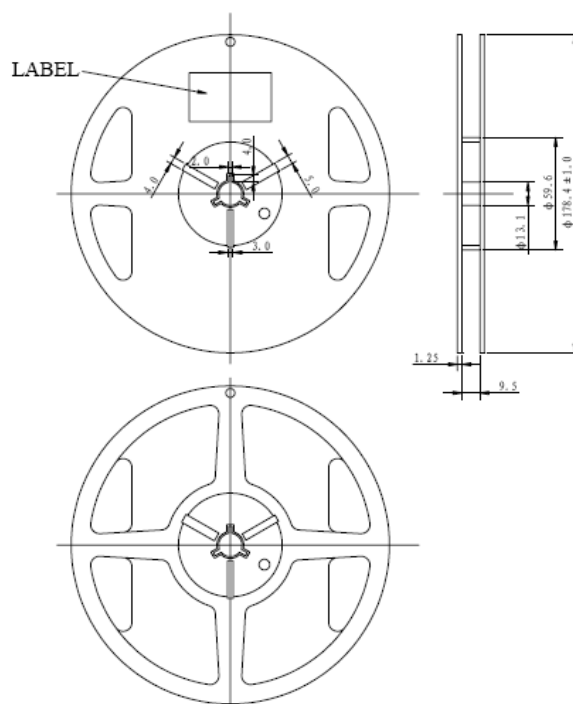
- Overall width: 8.00
- Distance between cathode centers: 4.00
- Distance between anode centers: 2.00
- Distance from the left edge to the first cathode center: 1.75
- Distance from the center line to the top edge: 3.50

Side View Dimensions:

- Overall height: 0.20
- Distance from the center line to the bottom edge: 0.10

A label "Cathode Side" points to the left side of the assembly.

All dimensions in mm, tolerances unless mentioned is ± 0.1 mm.





Precaution in use

Storage

Recommended storage environment

Temperature: 5°C-30°C(41F~86F)

Humidity: 60%RH Max

Use within 3days after opening of sealed vapor/ESD barrier bags.

Fold the opened bag firmly and keep in dry environment.

Soldering

Reflow Soldering			Hand Soldering
Pre-heat Pre-heat time Peak temperature Soldering time Condition	Lead Soldering	Lead-free Solder	Temperature Soldering time 350°C Max 3sec Max (onetime only)
	120~150°C	180~200°C	
	120secMax	120sec Max	
	240°CMax	260°CMax	
	10sec Max	10secMax	
	Refer to	Refer to	
Temperature-profile1			

After reflow soldering rapid cooling should be avoided.

Temperature –profile(Surface of circuit board)

Use the conditions shown to the under figure.

