

RoHS

Specification

规格书

Customer Name:

客户名称: _____

Customer P/N:

客户品号: _____

Factory P/N:

公司品号: GCS0302DR3A1GD

Sending Date:

送样日期: _____

Client approval 客户审核			Goozo approval 鸿利国泽审核		
Approval 核准	Audit 确认	Confirmation 制作	Approval 核准	Audit 确认	Confirmation 制作
			潘桂建	赵丹	夏昊
<input type="checkbox"/> Qualified 接受	<input type="checkbox"/> Disqualified 不接受		DATE: 日期:		

Address: Dangui Road NO. 1 Dantu Area Zhenjiang City Jiangsu Province

地址: 江苏省镇江市丹徒区丹桂路 1 号

Tel/电话: 0511-88786599

Fax/传真: 0511-88786599

Web/网址: www.goozo.com.cn

注:

- 1.此规格书以中英文方式书写,若有冲突以中文版本为准文本.
- 2.此规格书的最终解释权归属江苏鸿利国泽光电科技有限公司



1、Description:

1. 0.3" Two Numeric Display
2. Red emitting, low power consumption, long life span
3. Gray -faced white plastic, Common Anode Show
4. Complied With RoHS Directive

2、Purpose:

It is widely used in all kinds of household appliances, instruments and meters.

3、Absolute Maximum Ratings (Temperature=25°C):

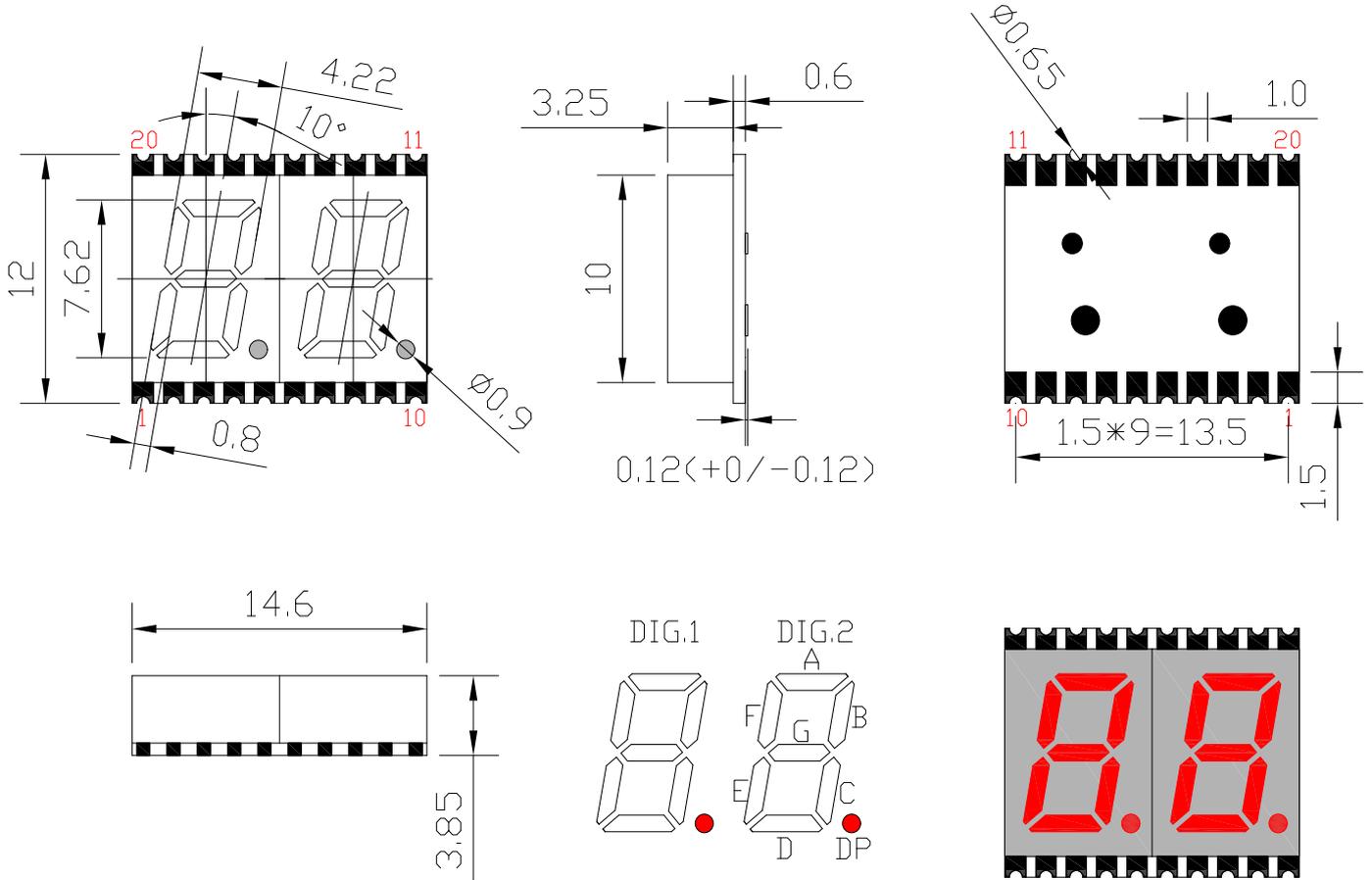
Parameter	Symbol	Rating	Unit
Forward Current	I_{FM}/seg	20	mA
Reverse Voltage	V_{RM}/seg	5	V
Operating Temperature	T_{OPR}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +85	°C
Pulse Forward Current	$I_{FM (IM)}/seg$	60	mA

* Note: Pulse Width $\leq 0.1ms$, Duty $\leq 1/10$

4、Electro-Optical Characteristics (Temperature=25°C):

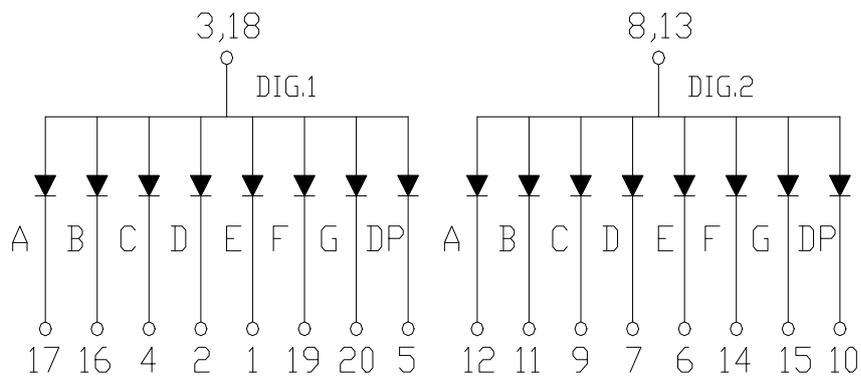
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Reverse Current	I_R	$V_R=5V$	---	---	50	μA
Forward Voltage	V_F	$I_F=20mA$	1.7	2.0	2.5	V
Peak Wavelength	λ_P		---	645	---	nm
Dominant Wavelength	λ_d		630	---	645	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$		---	20	---	nm
Luminous Intensity	I_V		15	---	45	mcd

5、 Outline Dimension:

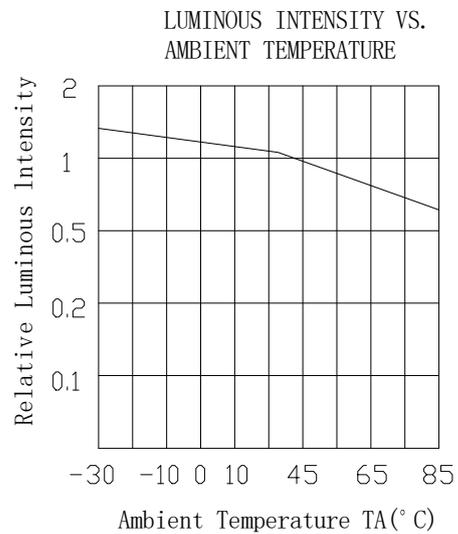
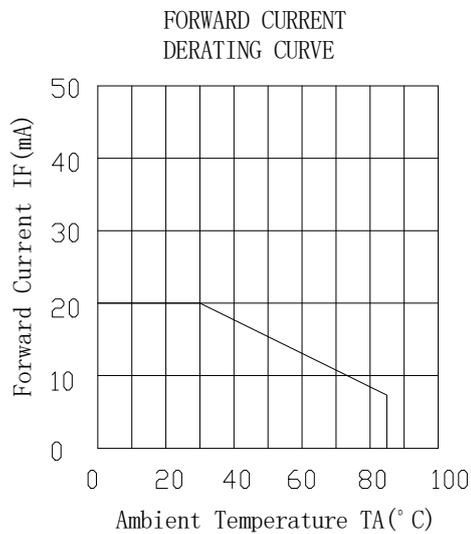
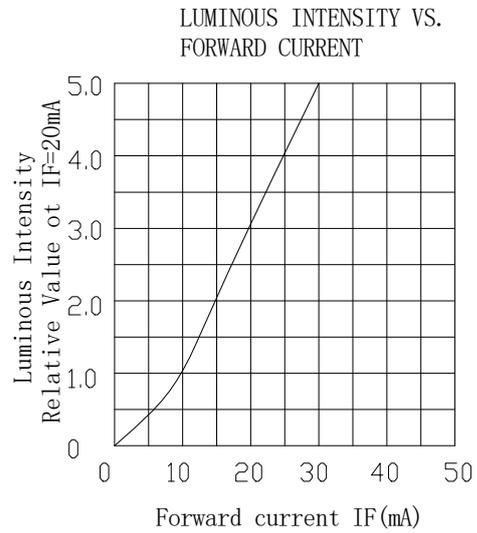
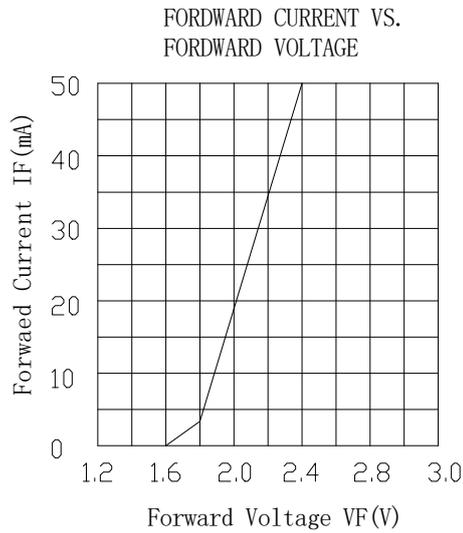
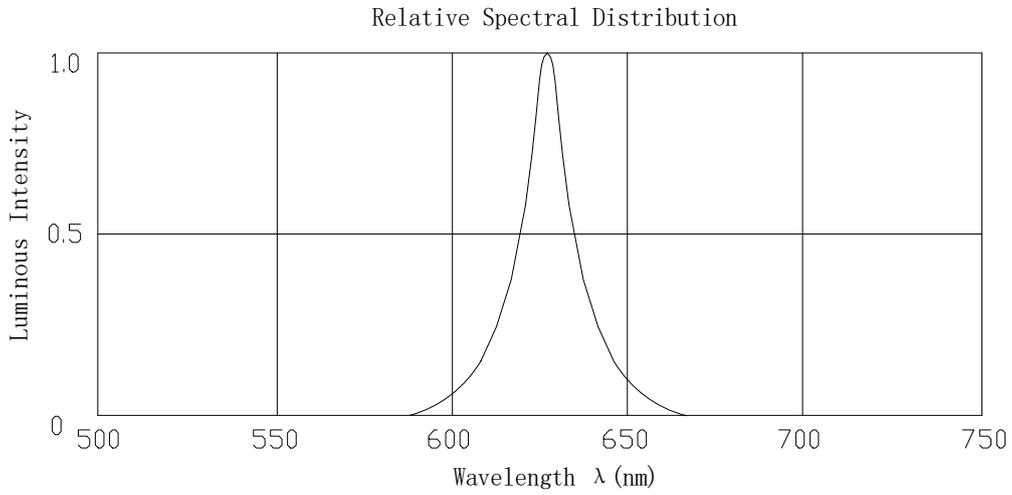


Unmarked tolerance :
 ± 0.25
Unit : mm

6、 Circuit Diagram:



7、Typical Characteristics Curves:



8、Guideline for Soldering:

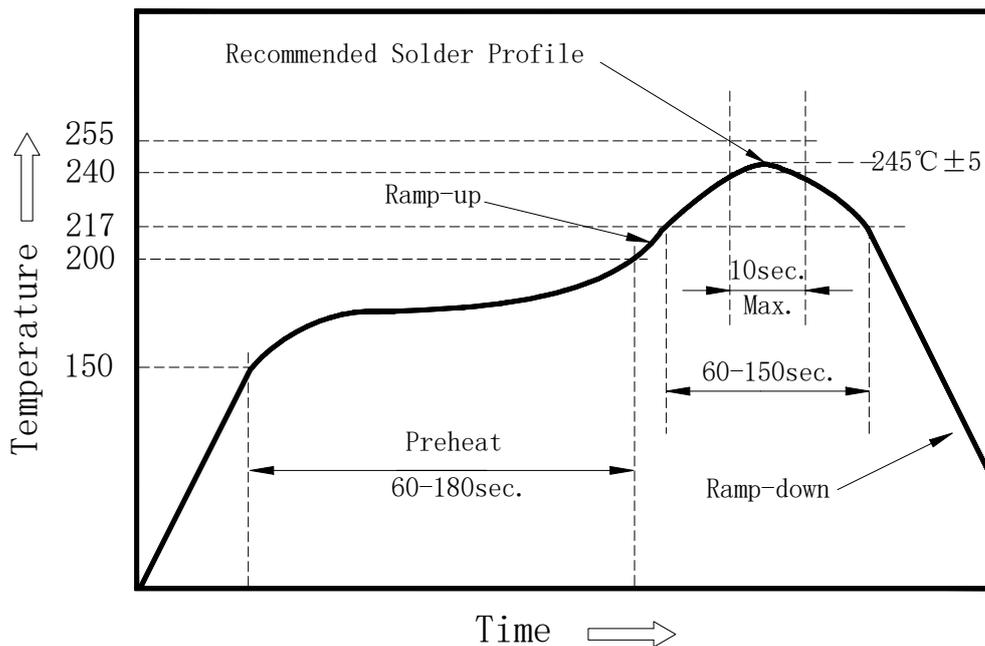
1、Hand Soldering

A soldering iron of less than 30W is recommended to be used in Hand Soldering. Please keep the temperature of the soldering iron under 340°C while soldering. Each terminal of the LED is to go for less than 3 second and for one time only.

Be careful because the damage of the product is often started at the time of the hand soldering.

2、Reflow Soldering

Use the conditions shown in the under Figure of Pb-Free Reflow Soldering.



- Reflow soldering should not be done more than two times.
- Stress on the LEDs should be avoided during heating in soldering process.
- After soldering, do not deal with the product before its temperature drop down to room temperature.

9、Precautions:

1、Storage

Under the storage conditions of 30°C or less and humidity less than 60%RH, the LEDs can be storage for 12months. Storage in a sealed container with moisture absorbent material can prolong the storage time to a certain extent bad storage conditions may cause the lead frames to corrode or degradation of LED characteristics. It is recommended that the LEDs be used as soon as possible.

2、Static Electricity

Static electricity of surge voltage damages the LED .Damaged LED will show some unusual chrematistics such as the forward voltage becomes lower or the LED do not light at the low current even not light. All devices equipment and machinery must be properly grounded. At the same time, it is recommended that wrist Bands or anti-electrostatic gloves anti-electrostatic containers be used when dealing with the LED.