

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: GCS03011AUA-21

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
					夏昊
<input type="checkbox"/> Qualified 接受		<input type="checkbox"/> Disqualified 不接受		DATE: 日期:	

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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

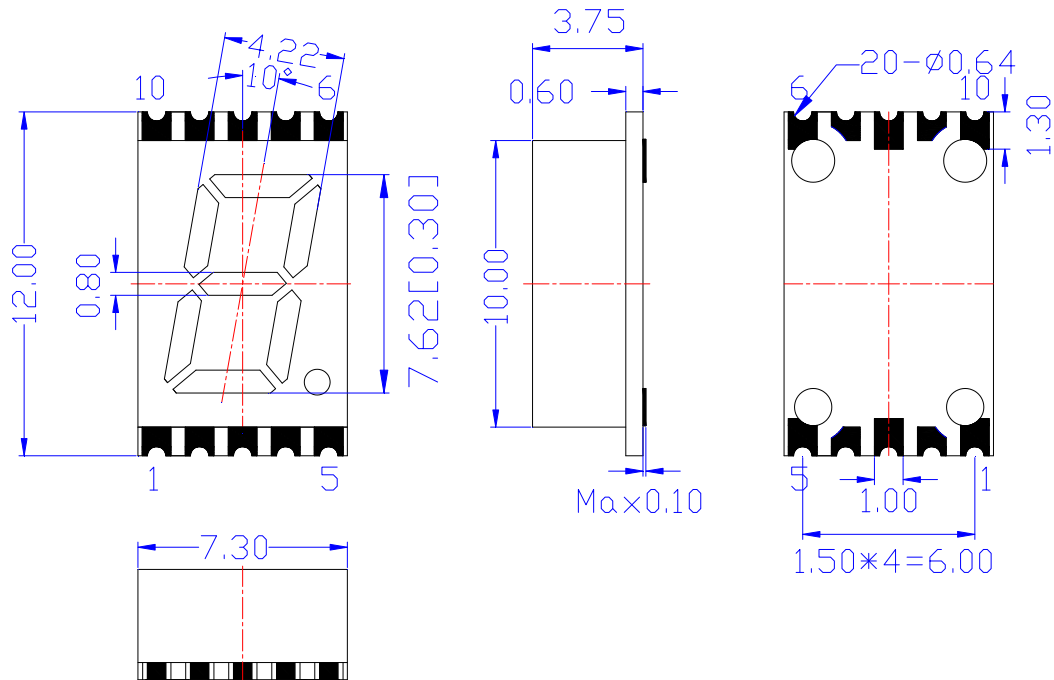


ATTENTION 注意
 OBSERVE PRECAUTIONS
 FOR HANDLING
 ELECTROSTATIC
 DISCHARGE
 SENSITIVE
 DEVICES

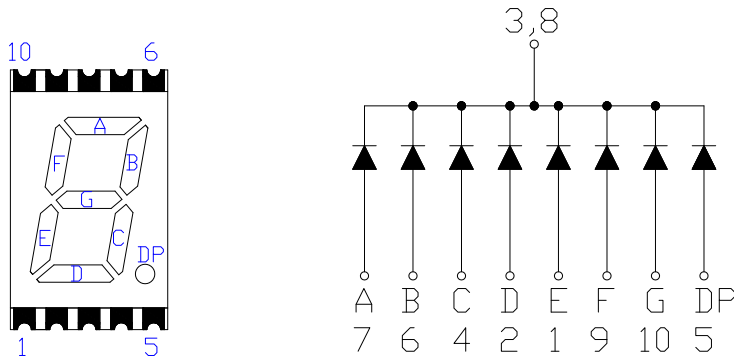
Features

7.62mm (0.3inch) singal digitals displays series,common cathode ,gray face and white segment.
 Standard brightness.
 Low current operation.
 Excellent character apperance.
 Easy mounting on P.C.boards or sockets

Package Dimensions



Internal Circuit Diagram



Tolerance Grade/公差等级	Dimension Tolerance/尺寸 (Unit:mm)			
	0.5~3	3~6	6~30	30~120
	±0.1	±0.2	±0.3	±0.5
Chip/晶片			Surface/Epoxy Color/颜色	
Material/材质	Emitting Color/ 发光颜色		Ref Surface Color : Gray Epoxy Color : White Diffused	
AlGaInP	Amber/琥珀色			

Absolute Maximum Rating

Item 项目	Symbol 符号	Value 数值	Unit 单位
Forward Current 正向电流	IF	30	mA/Seg
Peak Forward Current* 峰值正向电流	IFP	100	mA/Seg
Reverse Voltage 反向电压	VR	5	V/Seg
Power Dissipation 功耗	PD	40	mW/Seg
Electrostatic discharge 抗静电能力	ESD	2000	V/Seg
Operation Temperature 操作温度	Topr	-30~+85	℃
Storage Temperature 储存温度	Tstg	-30~+85	℃
Lead Soldering Temperature* 引脚焊接温度	Tsol	260℃ for 3 sec Max.	

*IFP Conditions: Pulse Width≤10msec /IFP 正向峰值电流使用条件: 脉冲宽度≤10 毫秒

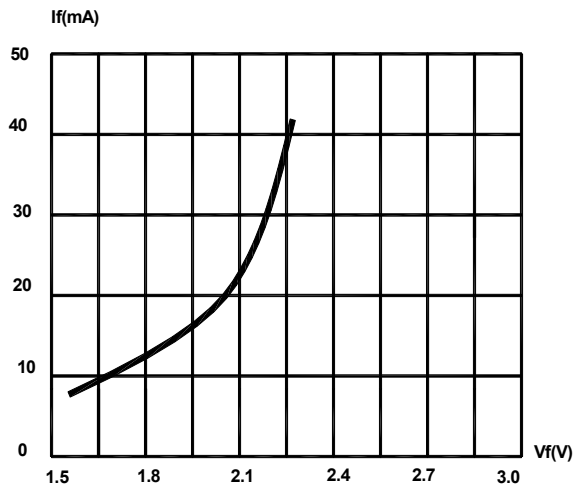
■ Typical Optical/ Electrical Characteristics (per segment) Ta=25°C

Item/项目	Symbol/符号	Condition/条件	Rank/档次	Min.最小值	Typ.典型值	Max.最大值	Unit单位
Luminous Intensity/光强	Iv	IF=10mA		30	--	50	mcd
Forward Voltage/正向电压	VF			1.9	--	2.5	V
Peak Wavelength/峰值波长	λ_p			--	610	--	nm
Recommend Forward Current/推荐使用正向电流	IF(rec)	--		--	--	20	mA
Reverse Current/反向电流	IR	Vr=5V		--	--	10	uA

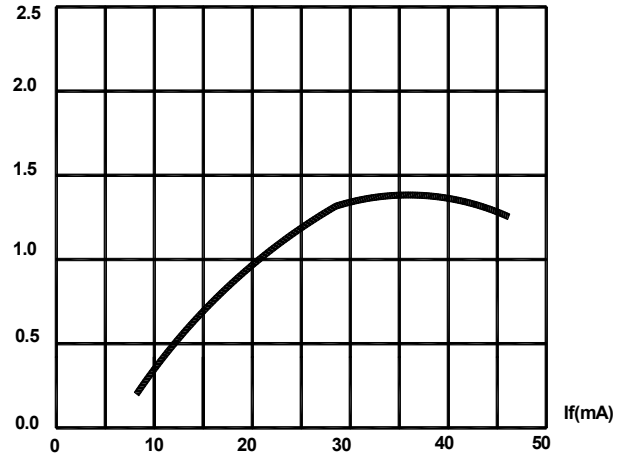
Notes/注释:

Tolerance : VF \pm 0.1V, λ_d \pm 2 nm, IV(ϕ V) \pm 15%, X/Y \pm 0.005.

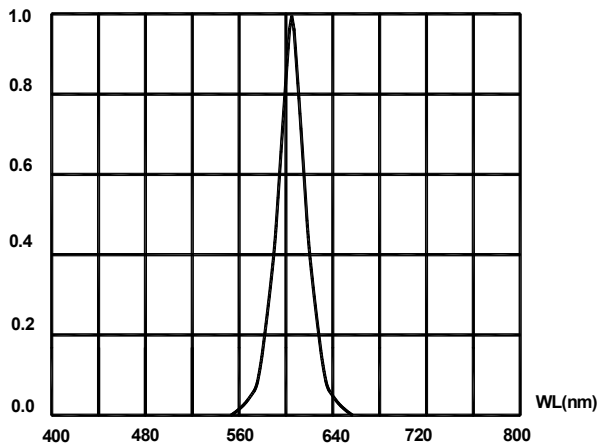
公差: 正向电压 \pm 0.1V, 主波长 \pm 2 nm, 光强 (光通量) \pm 15%, X/Y \pm 0.005.



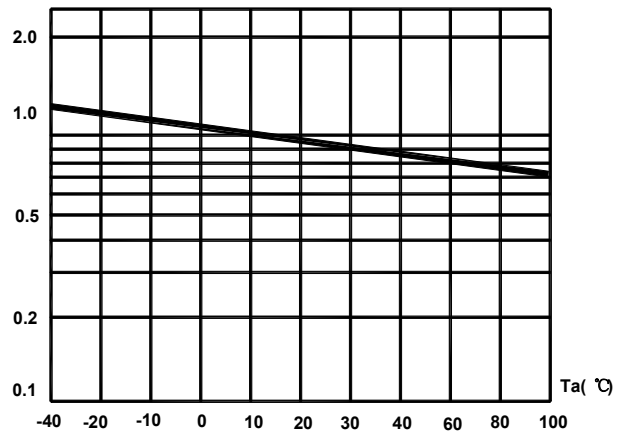
Forward Current vs. Forward Voltage



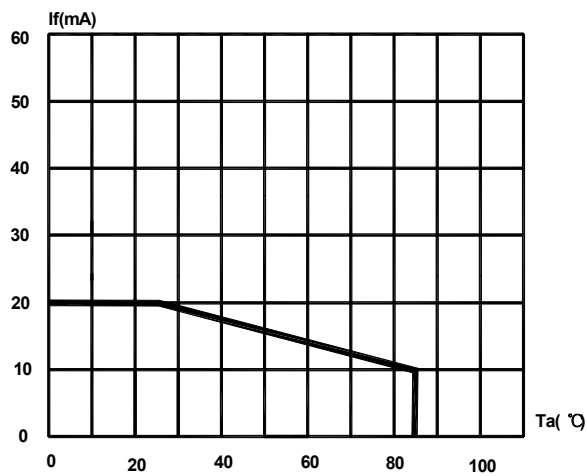
Relative Luminous Intensity vs. Forward Current



Relative Luminous Intensity vs. Wavelength

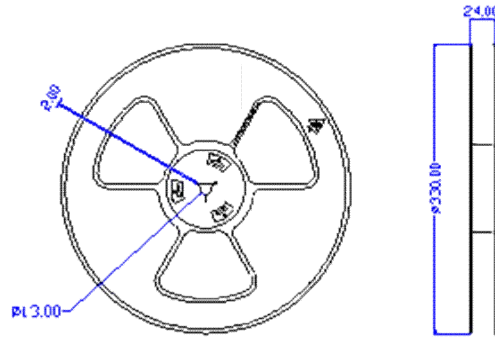


Relative Luminous Intensity vs. Ambient Temperature



Maximum Forward Current vs. Ambient Temperature

■ Reel Dimensions



■ Package Specification

