深圳市国冶星光电子有限公司
SHENZHEN GUOYEXING OPTOELECTRONICS CO.，LTD.

承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer：_____

产品名称 Description：LED LAMP

产品型号 Model：GL-260YGCT-T

样品编号 Lot No.:_____

编号 No.：_____

日期 Date：2008-09-04

附产品规格书 Enclosure is the specification

深圳市国冶星光电子有限公司 SHENZHEN GUOYEXING OPTOELECTRONICS CO.，LTD.			
生产部 Production Dept.	质量部 Quality Dept.	工程部 Engineering Dept.	市场部 Marketing Dept.

客户确认签名 APPROVED SIGNATURES			

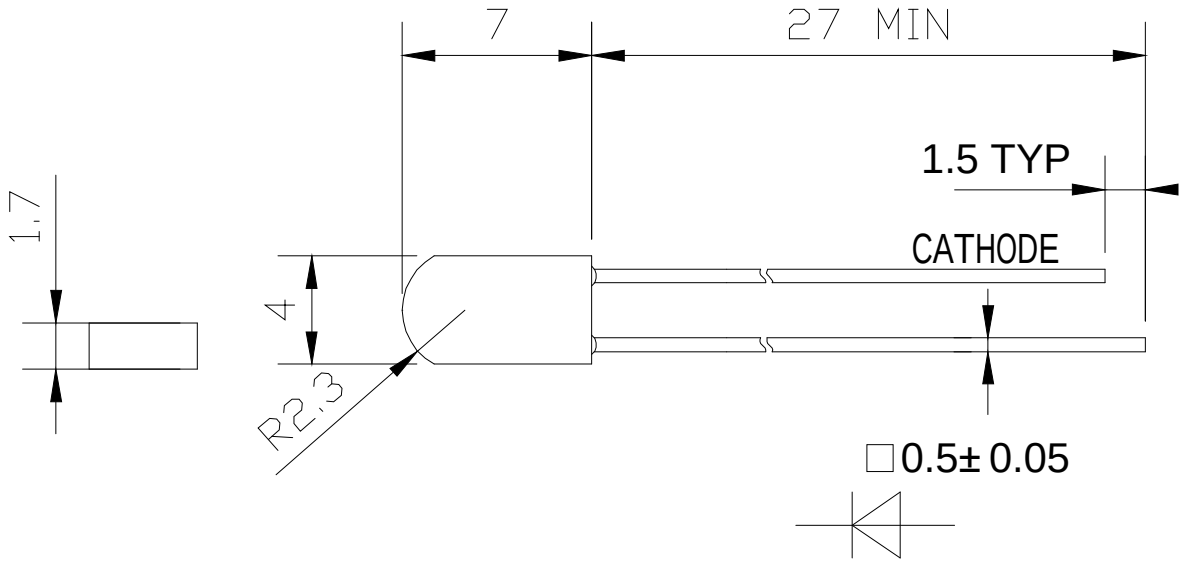
地址：深圳市蛇口后海大道东角头工业区 C 座 4 楼　　518067
Add: 4/F, Block C, Dongjiaotou Industrial Zone, Houhai Avenue, Shekou, Shenzhen,
电话 Tel：0086-755-26895486，26895484
传真 Fax：0086-755-26895481
Email: gyx@gyx-led.com
Website: www.gyx-led.com

GL-260YGCT-T Y-GREEN (黄绿色)

Features (特征)

1) 1.7*4*7mm DIAMETER LAMP
(1.7*4*7 发光二极管)
2)LOW CURRENT REQUIREMENT
(低电流驱动)
3)LOW POWER CONSUMPTION
(低功率消耗)
4)VERSATILE MOUNTING ON P.C. BOARD PANEL
(易安装)
5)LONG LIFE-SOLID STATE RELIABILITY
(寿命长)

Package Dimensions(封装尺寸)



Notes: Y-GREEN(黄绿色)

1. All dimensions are in millimeters.
（单位：毫米）
2. Tolerance is ±0.25 unless otherwise noted.
(尺寸公差：±0. 25,另有标注除外.)
3. Specifications are subject to change without notice.
(规格若有变动,恕不另行通知.)

3. 注：此页参数仅对样品，出货范围参照最后一页

Part No. (产品型号)	Chip Material (晶片材质)	Emitting Color (发光颜色)	Lens Type (胶体颜色)	Iv(mcd)@20mA (发光强度)			Viewing Angle (发光角度)
				Min. (最小值)	Typ. (规格值)	Max (最大值)	2θ1/2 (角度)
GL-260YGCT-T	GaN	Y-Green (黄绿色)	Green Transparen (绿色透明)	159	-	225	34°

Note:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

(θ1/2 是指当亮度减到一半时与发光特性曲线相交所对应的角度值.)

4. Electrical / Optical Characteristics at T_A=25° C(25° C 环境下之电性/光学特性)

Parameter(参数)	Symbol (符号)	Min. (最小值)	Typ. (规格值)	Max. .(最大值)	Units (单位)	TestConditions (测试条件)
Forward Voltage (正向电压)	V_F	1.8	2.0	2.5	V	I_F=20mA
Peak Wavelength (峰值波长)	λp	-	575	-	nm	I_F=20mA
Dominate Wavelength (主波长)	λD	569	-	573	nm	I_F=20mA
Spectral Line Half-width (带宽)	Δλ	-	13	-	nm	I_F=20mA
Reverse Current (反向电流)	I_R	-	-	10	uA	V_R=5V

5. Absolute Maximum Ratings at T_A=25° C(在 25° C 环境下之最大绝对额定值)

Parameter(参数)	Symbo(符号)	Maximum Rating(最大值)	Units(单位)
Power dissipation(功率消耗)	Pd	75	mW
Forward Current(正向电流)	I_F	30	mA
Peak Forward Current (1)(正向电流峰值)	I_F(Peak)	130	mA
Reverse Voltage(反向电压)	V_R	5	V
Operating Temperature(操作温度)	Topr	-40° C To +80° C	
Storage Temperature(贮藏温度)	Tstg	-40° C To +80° C	
Lead Solder Temperature(2)(焊接温度)	Tsol	260° C for 3 seconds	

Note:

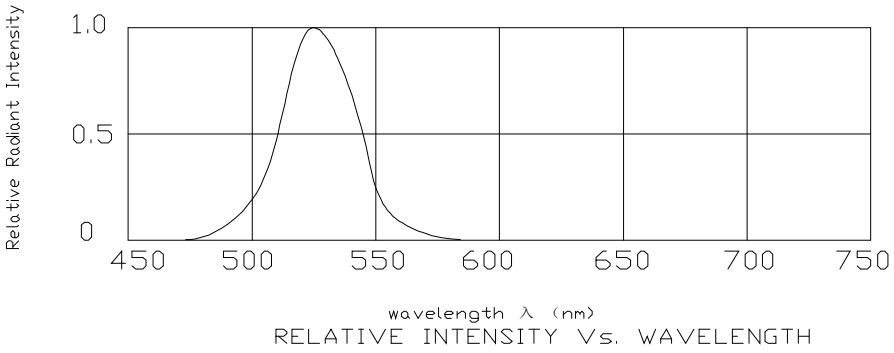
1) 1/10 Duty Cycle, 0.1ms Pulse Width.
(1/10 周期, 0.1ms 脉宽)

2) 3mm below package base.
(在胶体 3 毫米以下焊接)

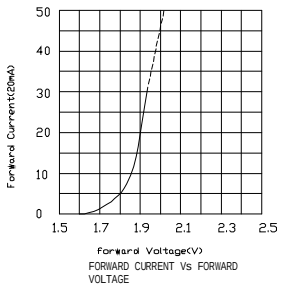
3) The production accord with the demand of ROHS.
(此产品符合 ROHS 要求.)

Relative Intensity Vs Wavelength Chart

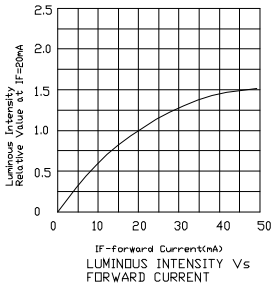
(相对亮度与波长关系曲线图)



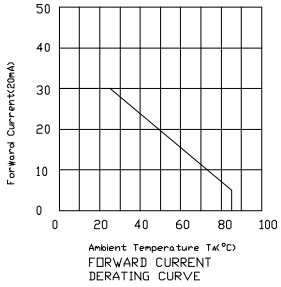
（黄绿色 GL-260YGCT-T）



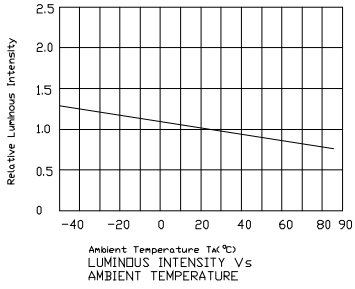
正向电流与正向电压关系曲线图



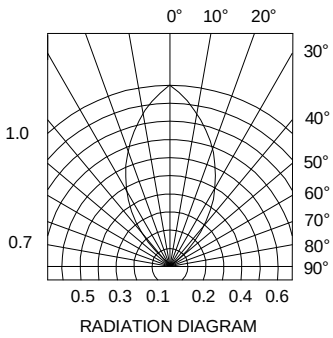
亮度与正向电流关系曲线图



正向电流递减曲线图



亮度与环境温度关系曲线图



RELIABILITY (可靠性)

(1) TEST ITEMS AND RESULTS（测试项目及结果）

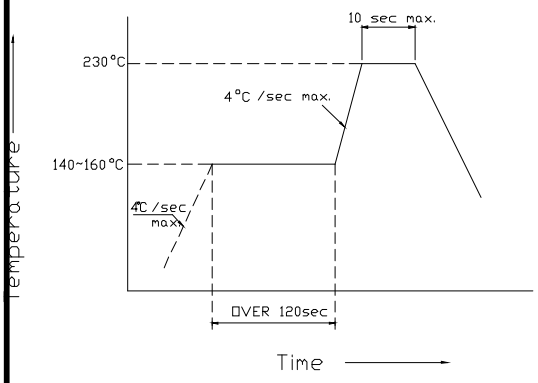
类别 Type	测试项目 Test Item	测试条件		备注 Note	取样数 Sample size	允收数 Accept
		Test condition(二/三元)	Test condition(四元)			
环境测试 (Environments Sequence)	冷热冲击 Thermal shock	-20℃~80℃ 15min, 10s,15min	-40℃~100℃ 15min,10s, 15min	循环 100 次 100 cycles	20~560	0
	回流焊	190℃~240℃ 5min		循环 1 次 1 cycles	20~560	0
	波峰焊	240℃~260℃ 5sec		循环 1 次 1 cycles	20~560	0
寿命试验 (Operation Sequence)	常温寿命测试(L.F) Life test	Ta=25℃ If=20mA	Ta=25℃ If=20mA	1000Hrs	20~560	0
破坏性试验 (Destructive Sequence)	墨水渗透实验	Ta=100℃ 红墨水		60 minutes	10-20	0

Reflow Soldering Instructions (回流焊说明)

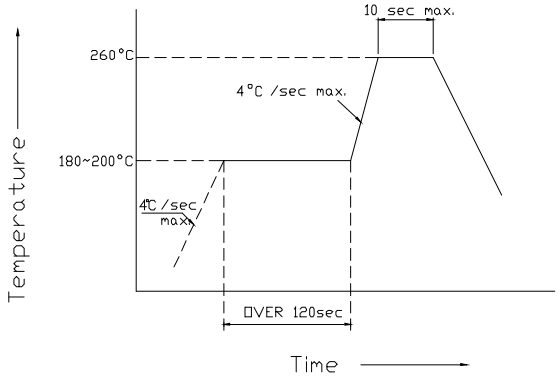
Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and Second soldering process.

(本产品最多只可回焊两次,且在首次回焊后须冷却至室温之后方可进行第二次回焊.)

1>Lead Solder（有铅回焊）



2>Lead-Free Solder(无铅回焊)



Intensity And Color Bin Limits(亮度及波长等级)

(1)Intensity Bin Limits (I_F=20mA)

SELECTION CODE FOR SUPER BRIGHT LEDS		
Group	Light intensity in mcd(20mA) Y-GREEN	
	Min.	Max.
M	150	195
N	195	250
O	250	325
P	325	420

Tolerance for each Bin limit is ±10%

(2)Color Bin Limits (I_F=20mA)

COLOR CODE FOR RED LEDS + DISPLAYS		
Group	Dom. WaveLength (nm)	
	min.	max.
Q1	566	569
R1	569	572
S1	572	575

Tolerance for each Bin limit is ±1nm.

Forward Voltage Bin limits(I_F=20mA)< V_F 值等级>

Grade (等级)	G0	HO	I	J0	K0
Range (范围)	1.6-1.8	1.8-2.0	2.0-2.2	2.2-2.4	2.4-2.6

Tolerance for each Bin limit is ±0.05v.