承 认 书

Specification for approval

客户名称:
CUSTOMER NAME: _____

经办者: 职称:
DIRECTOR: _____ TITLE: _____

客户料号:
CUSTOMER PART NO.: _____

品名: 版本:
PART NUMBER: **SL-1206YG** REVISION: 新

发件日期: 回文日期:
ISSUE DATE: _____ RETURN DATE: / /

一、 谨致执事者：兹提供敝公司产品之有关详细规格及图面数据，
敬请给予办理测试认定手续。
同时敬请送返一份附有贵公司签认之测试认定后之样品认定书。
We are please in sending you herewith our specification and drawings for your approval.
Please return to us one copy "For Approval" with your approved signatures.

二、附件:

ACCESSORY：□样品 □出货检验记录表 □封装尺寸图 □电气特性曲线
□内部线路图 □焊性建议 □PAD 建议 □包装方式

三、客户意见栏 CUSTOMER'S PROPOSAL

□ AGREE 同意 (请于认可栏中签名)
□ DISAGREE 不同意

REASON 原因: _____

_____

客户认可签章:
CUSTOMER SIGNATURE: _____

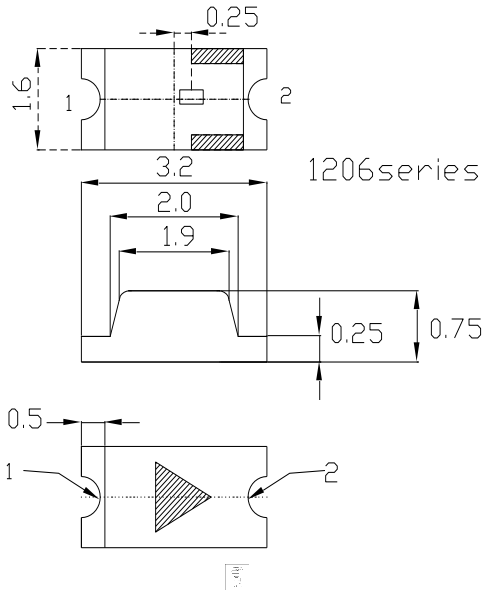
REFLECTOR COATING TYPE HIGH-PERFORMANCE LEDs
反射蓋灌注型高效發光二極體

Pat Number:SL—1206YG

OPTICAL CHARACTERISTIC CURVES

3.2 x 1.6x 0.75 mm SURFACE MOUNT LED

YGZ-1206R



Absolute Maximum Ratings

Ltem	Symbol	Rating	Unit
正向电流	IF	20	mA
反向电压	VR	5	V
最大瞬间电流	i FS	50	mA
工作温度	Topr	-40~+85	°C
保存温度	Tstg	-40~+85	°C

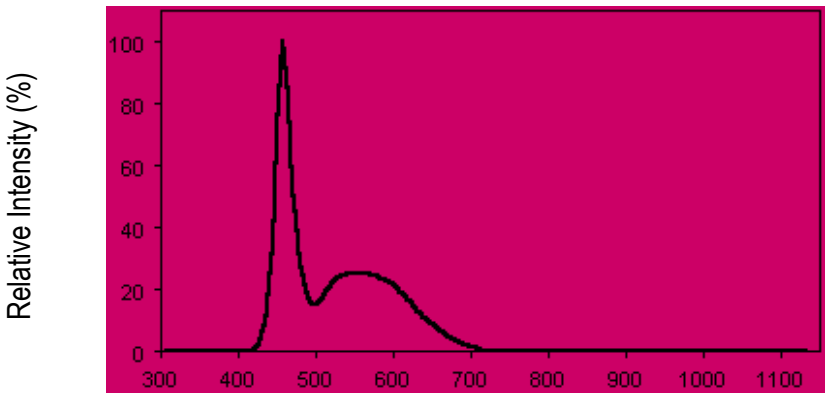
Ltem	Symbol	Condition	Min	Typ	Max	UNIT
工 作 电 压	VF	IF=20mA	-	1.9	2.1	V
最大漏电电流	IR	VR=5V	-	-	5	uA
波 长	λp	IF=20mA		569	571	nm
波长范围	Δλ	IF=20mA			5	nm
亮 度	mcd	VF=4.5IF=20mA	50	65		mcd

REFLECTOR COATING TYPE HIGH-PERFORMANCE LEDs
反 射 蓋 灌 注 型 高 效 率 發 光 二 極 體

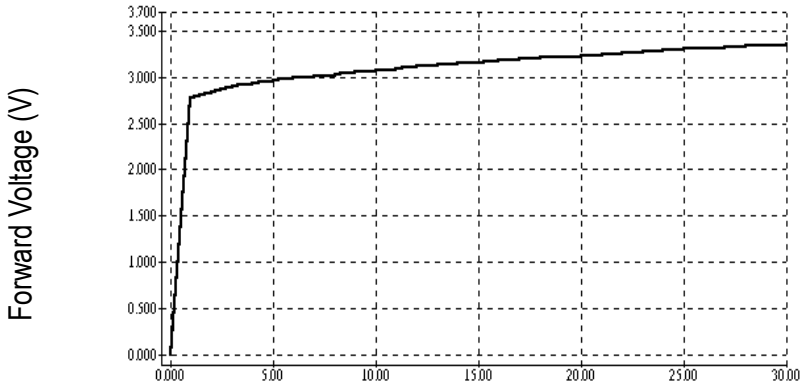
Part Number: SL-1206YG

OPTICAL CHARACTERISTIC CURVES

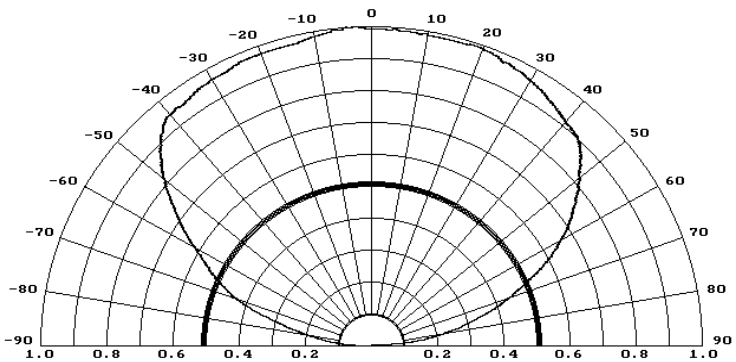
Relative Intensity vs. Wavelength



Forward Current vs. Forward Voltage

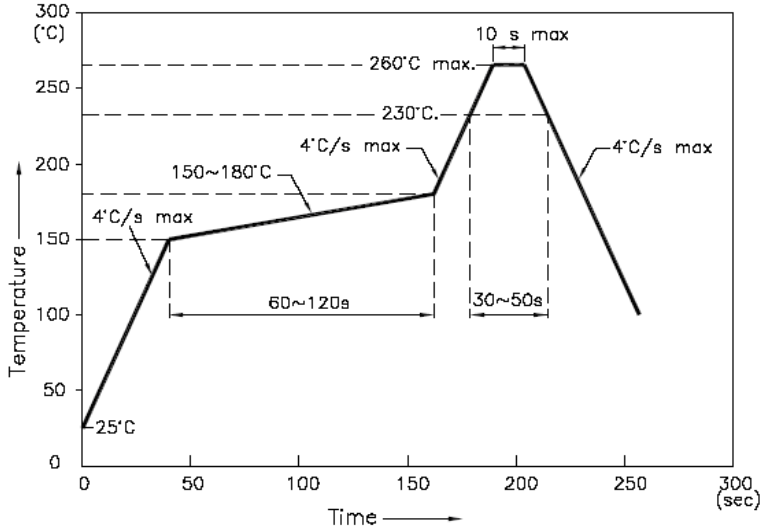


Directive Characteristics



Reflow Profile

■ Reflow Temp/Time



NOTES:

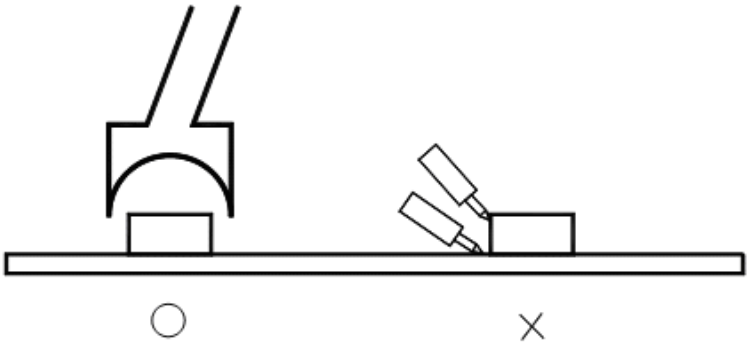
1. We recommend the reflow temperature 245℃(±5℃).the maximum soldering temperature should be limited to 260℃.
2. dont cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

■Soldering iron

Basic spec is ☒ 5sec when 260℃. If temperature is higher, time should be shorter (+10℃→ -1sec).Power dissipation of iron should be smaller than 15W, and temperatures should be controllable .Surface temperature of the device should be under 230℃ .

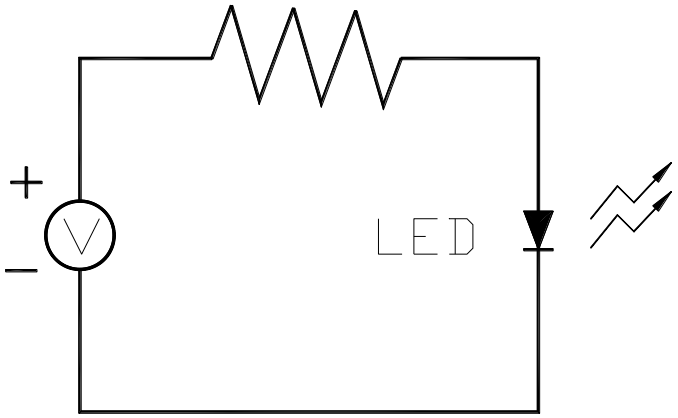
■Rework

1. Customer must finish rework within 5 sec under 260℃.
2. The head of iron can not touch copper foil
3. Twin-head type is preferred.



Test circuit and handling precautions

■ Test circuit



■ Handling precautions

1. Over-current-proof

Customer must apply resistors for protection; otherwise slight voltage shift will cause big current change (Burn out will happen).

2.Storage

2.1 It is recommended to store the products in the following conditions:
Humidity: 60% R.H. Max.
Temperature : 5℃~30℃(41℉~86℉)

2.2 Shelf life in sealed bag: 12 month at ＜5℃~30℃ and ＜30% R.H. after the package is Opened, the products should be used within a week or they should be keeping to stored at ≦20 R.H. with zip-lock sealed.

3.Baking

It is recommended to baking before soldering when the pack is unsealed after 72hrs. The Conditions are as followings:

3.1 60±3℃ x(12~24hrs) and ＜5%RH, taped reel type
3.2 100±3℃ x(45min~1hr), bulk type
3.3 130±3℃ x(15~30min), bulk type

REFLECTOR COATING TYPE HIGH-PERFORMANCE LEDs
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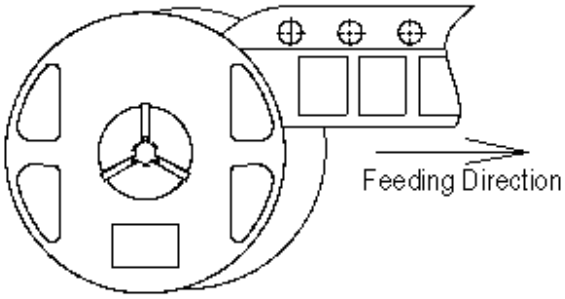
Test items and results of reliability

Type	Test Item	Test Conditions	Note	Number of Damaged
Environmental Sequence	Temperature Cycle	-20℃ 30min ↑ ↓ 80℃ 30min	100 cycle	0/22
	Thermal Shock	-20℃ 15min ↑ ↓ 80℃ 15min	100 cycle	0/22
	High Humidity Heat Cycle	30℃⇔ 65℃ 90%RH 24hrs/1cycle	10 cycle	0/22
	High Temperature Storage	T_a=80℃	1000 hrs	0/22
	Humidity Heat Storage	T_a=60℃ RH=90%	1000 hrs	0/22
	Low Temperature Storage	T_a=-30℃	1000 hrs	0/22
Operation Sequence	Life Test	T_a=25℃ I_F=20mA	1000 hrs	0/22
	High Humidity Heat Life Test	60℃ RH=90% I_F=10mA	500 hrs	0/22
	Low Temperature Life Test	T_a=-20℃ I_F=20mA	1000 hrs	0/22

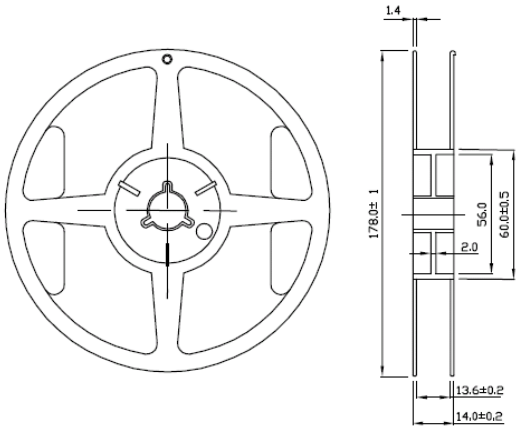
PACKAGING SPECIFICATIONS

High Performance SMD Full-Color Top LEDs

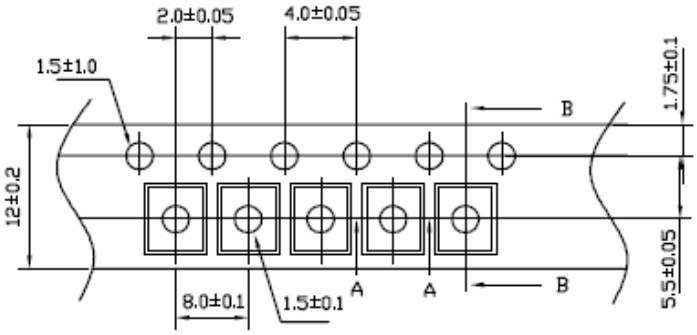
- **Feeding Direction**



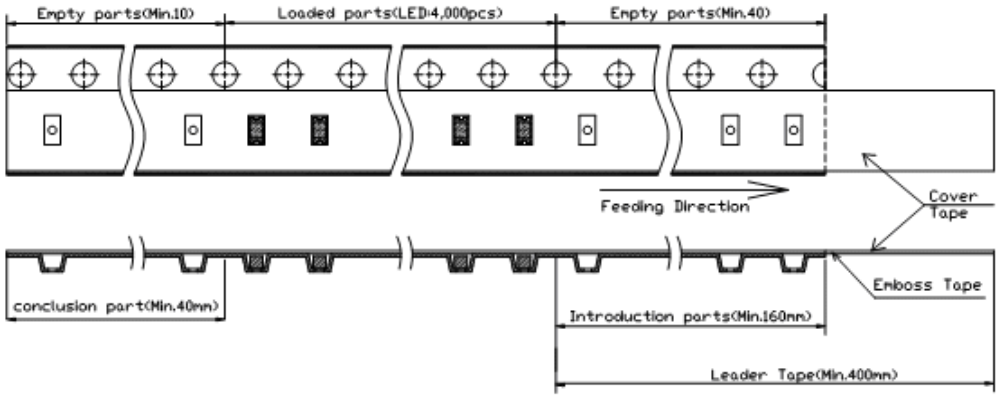
- **Dimensions of Reel (Unit: mm)**



- **Dimensions of Tape (Unit: mm)**



- **Arrangement of Tape**



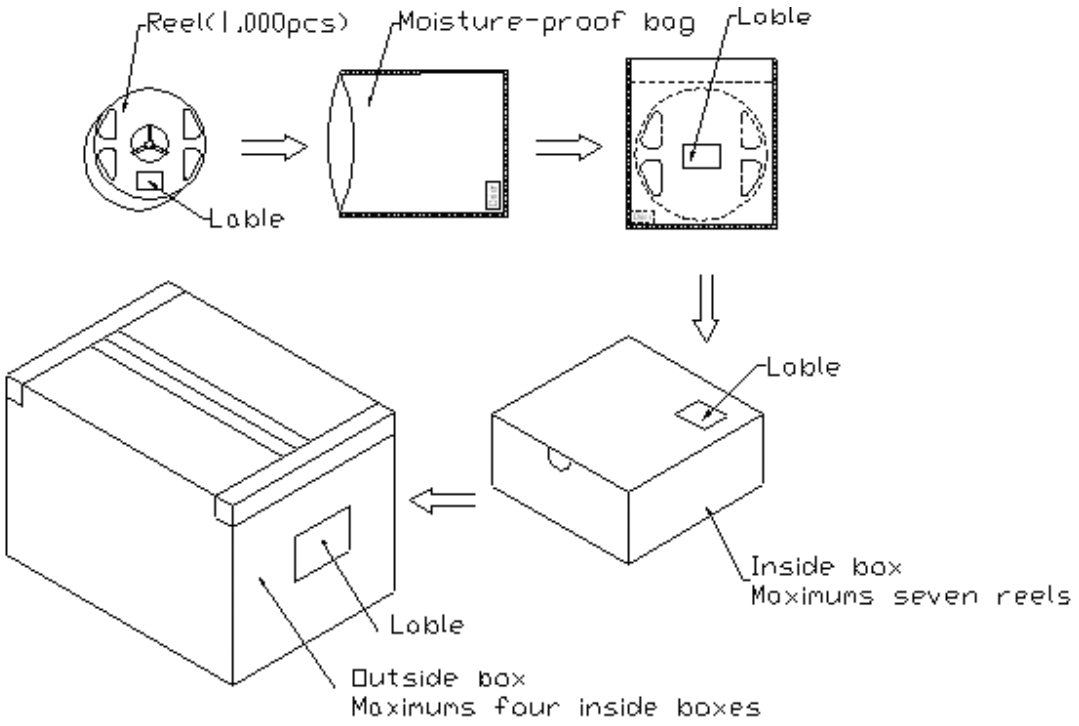
NOTES

1. Empty component pockets are sealed with top cover tape;
2. The maximum number of missing lamps is two;
3. The cathode is oriented towards the tape sprocket hole in accordance with ANSI/EIA RS-481 specifications.
4. 1,000 pcs/Reel

PACKAGING SPECIFICATIONS

High Performance SMD Full-Color Top LEDs

- **Packaging specifications**



NOTES:

Reeled products (numbers of products are 1,000pcs) packed in a seal off moisture-proof bag along with a desiccant one by one, Seven moisture-proof bag of maximums (total maximum number of products are7,000pcs) packed in an inside box and four inside boxes of maximums are put in the outside box Together with buffer material, and it is packed. (Part No., Lot No., quantity should appear on the label on the moisture-proof bag, part No. And quantity should appear on the label on the cardboard box.) The number of the loading steps of outside box (cardboard box) has it to three steps.