

# 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: KT-08050 REVISION: 新

发件日期:

回文日期:

ISSUE DATE: 2012/12/14 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: \_\_\_\_\_

PRELIMINARY SPEC



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

## SUPER BRIGHT ORANGE

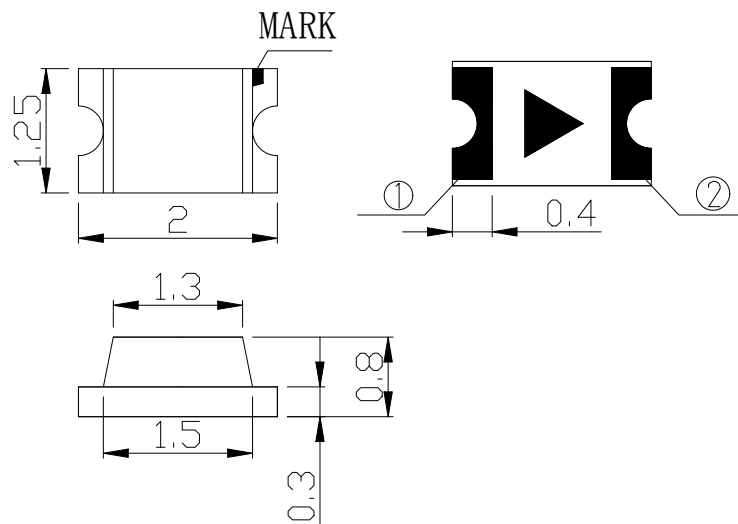
### Features

- \_2.0mmX1.25mm SMT LED, 0.80mm THICKNESS.
- \_LOW POWER CONSUMPTION.
- \_WIDE VIEWING ANGLE.
- \_IDEAL FOR BACKLIGHT AND INDICATOR.
- \_VARIOUS COLORS AND LENS TYPES AVAILABLE.
- \_PACKAGE: 3000PCS / REEL.
- \_RoHS COMPLIANT.

### Description

The Super Bright Orange device is made with DH InGaAlP (on GaAs substrate) light emitting diode chip.

### Package Dimensions



### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.1$  (0.004") unless otherwise noted.
3. Specifications are subject to change without notice.

## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	2 θ 1/2
<b><u>YGS-SL0805UYOC/ F8</u></b>	<b>SUPER BRIGHT ORANGE (InGaAlP)</b>	<b>WATER CLEAR</b>	<b>70</b>	<b>150</b>	<b>120</b>

Note:

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

## Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Mix	Max.	Units	Test Conditions
λ <sub>peak</sub>	Peak Wavelength	Super Bright Orange	600	610	nm	IF=20mA
λ <sub>D</sub>	Dominant Wavelength	Super Bright Orange			nm	IF=20mA
Δλ <sub>1/2</sub>	Spectral Line Half-width	Super Bright Orange	29		nm	IF=20mA
C	Capacitance	Super Bright Orange	30		pF	VF=0V;f=1MHz
VF	Forward Voltage	Super Bright Orange	1.9	2.3	V	IF=20mA
IR	Reverse Current	Super Bright Orange		2	uA	VR = 7

Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V

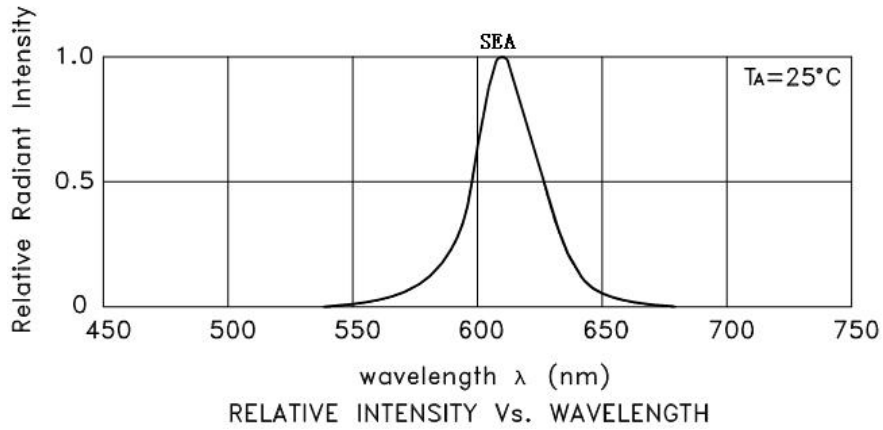
Note: Accuracy may depend on the sorting parameters

## Absolute Maximum Ratings at TA=25°C

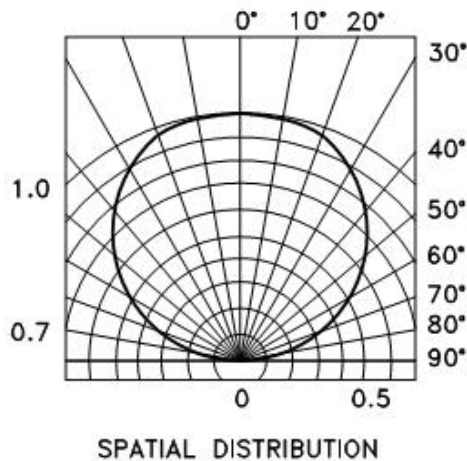
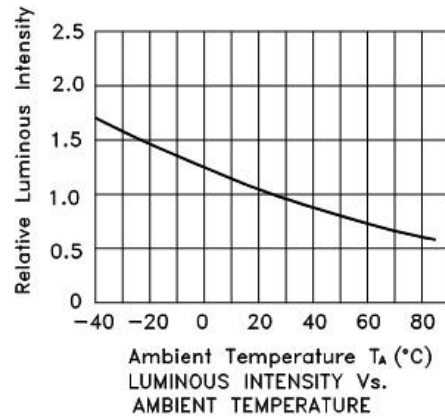
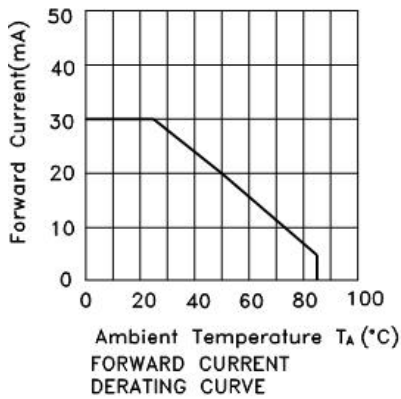
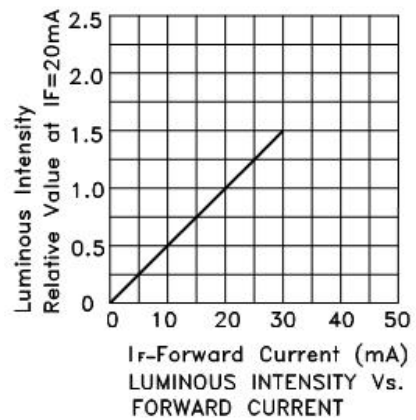
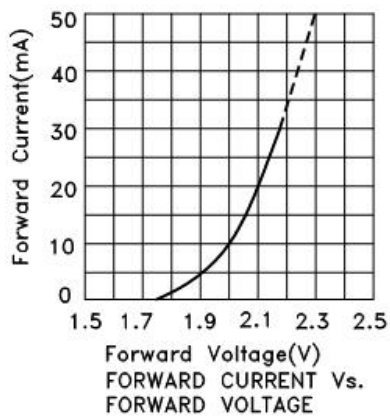
Parameter	Super Bright Orange	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	80	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

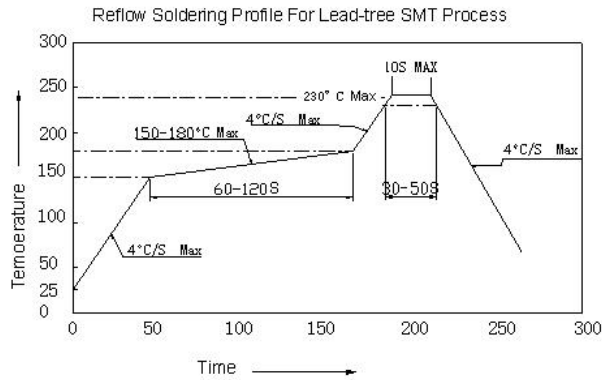
Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



**Super Bright Orange E6C0805SEAC1UDA**

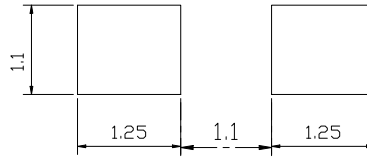




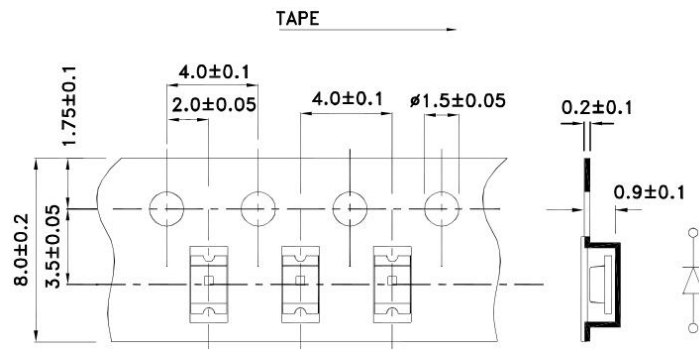
**NOTES:**

1. We recommend the reflow temperature 245° c(±5) The maximum soldering temperature should be limited to 260° c
2. Don't cause stress too the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 time or less.

**Recommended Soldering Pattern  
(Units : mm)**



**Tape Specifications  
(Units : mm)**



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