

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: LS-2012-02UFC REVISION: 新

发件日期:

回文日期:

ISSUE DATE: 2013-11-27 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: _____

0805 SMD CHIP LED LAMP

PRELIMINARY SPEC



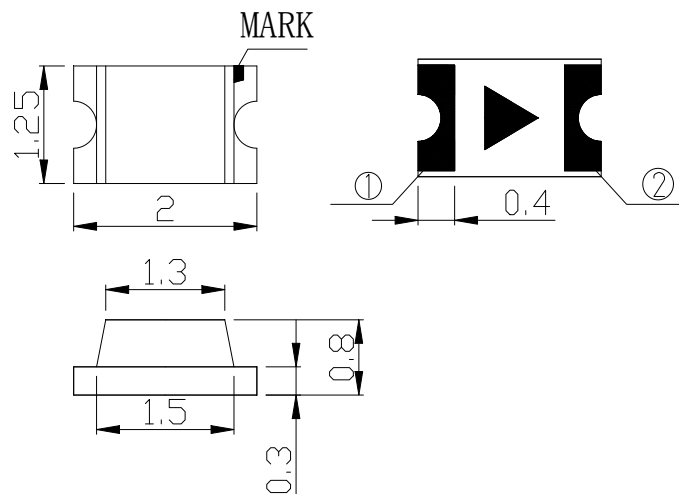
ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

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 pink LED which was fabricated using a blue LED and a phosphor, and the phosphor is excited by blue light and emits pink fluorescence. The mixture of blue

Package Dimensions**Notes:**

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 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
LS-2012-02UFC	BLUE (InGaN)	pink	200	300	120

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	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Pink	$X=0.36 / Y=0.12$		nm	IF=20mA
λ_D	Dominant Wavelength	Pink	$X=0.44 / Y=0.20$		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Pink			nm	IF=20mA
C	Capacitance	Pink	110		pF	VF=0V;f=1MHz
VF	Forward Voltage	Pink	3.0	3.4	V	IF=20mA
IR	Reverse Current	Pink		2	uA	VR = 7V

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

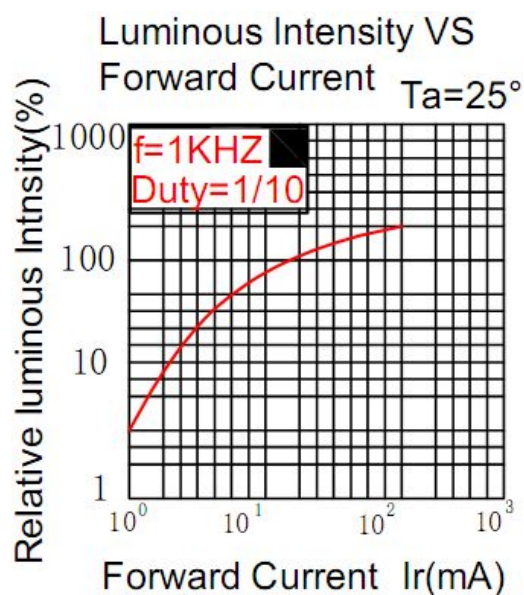
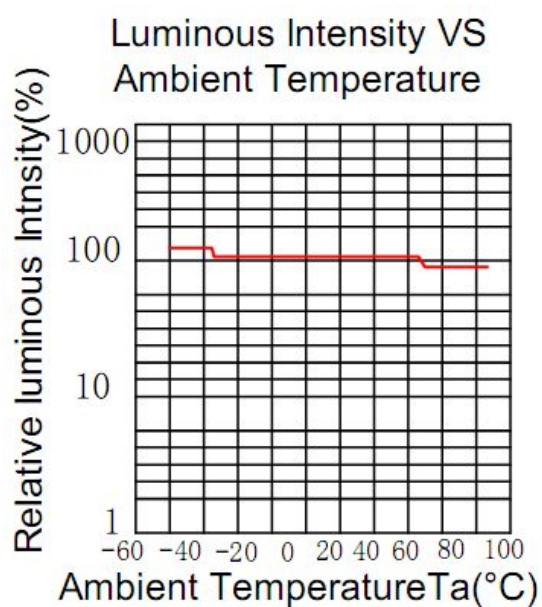
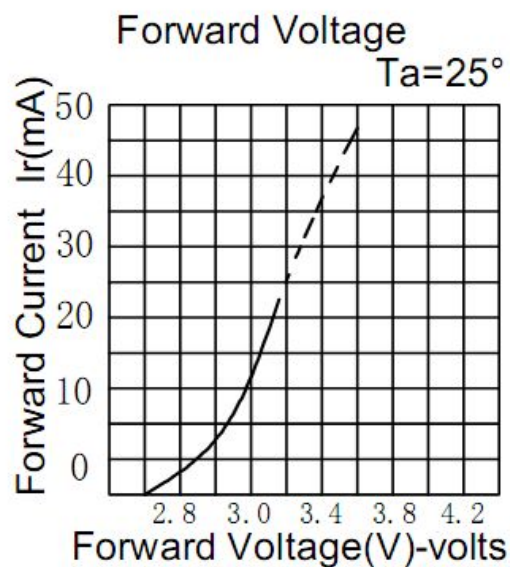
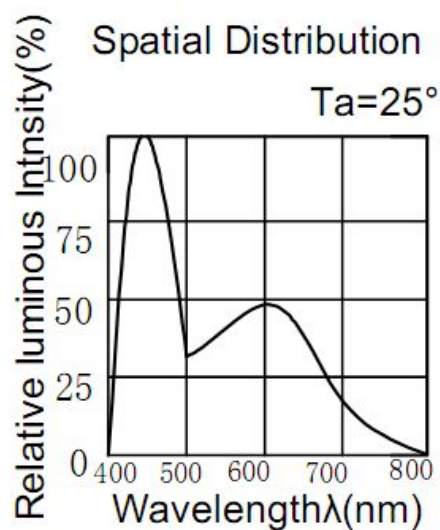
Note: Accuracy may depend on the sorting parameters

Absolute Maximum Ratings at TA=25°C

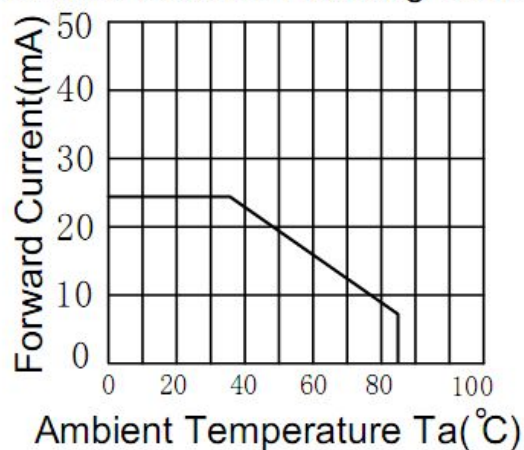
Parameter	PINK	Units
Power dissipation	135	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

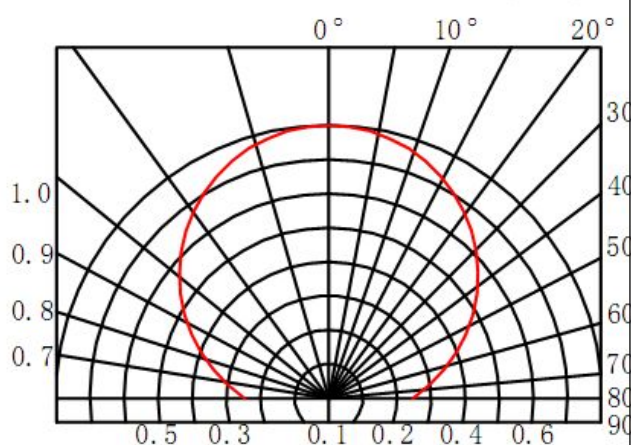
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

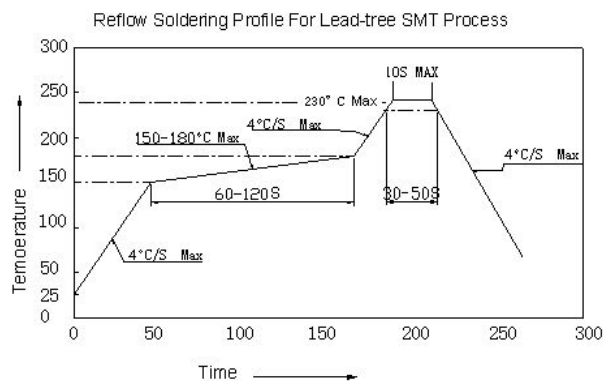


Forward Current Derating Curve



Radiation Diagram
 $T_a = 25^\circ$



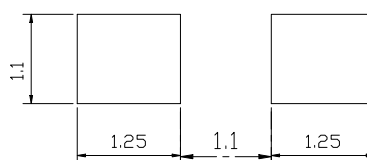


NOTES:

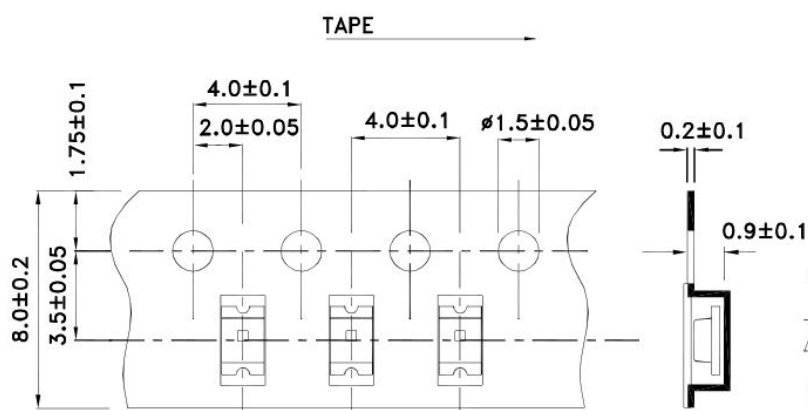
1. We recommend the reflow temperature $245^{\circ}\text{C}(\pm 5)$. The maximum soldering temperature should be limited to 260°C .
2. Don't cause stress too the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 time or less.

Recommended Soldering Pattern

(Units : mm)

**Tape Specifications**

(Units : mm)



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: $\pm 1\text{nm}$
2. Luminous Intensity: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters