

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: E6C1206VGAC1UDA

REVISION: 新

发件日期:

回文日期:

ISSUE DATE: 2012/12/26

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:

E6C1206VGAC1UDA GREEN

PRELIMINARY SPEC



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Features

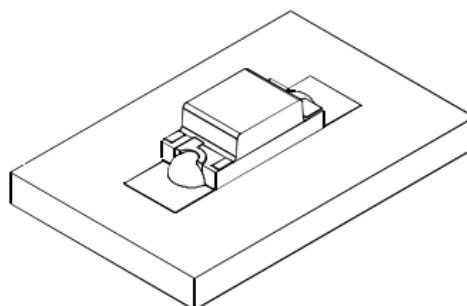
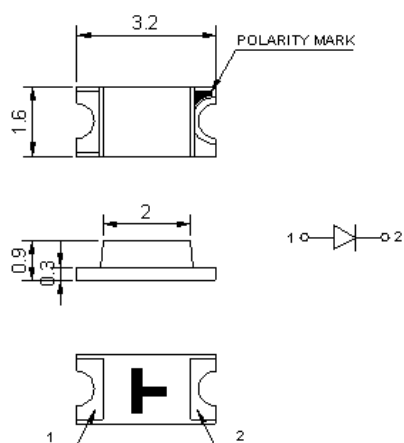
- _3.2mmX1.6mm SMT LED, 0.90mm THICKNESS.
- _LOW POWER CONSUMPTION.
- _WIDE VIEWING ANGLE.
- _IDEAL FOR BACKLIGHT AND INDICATOR.
- _VARIOUS COLORS AND LENS TYPES AVAILABLE.
- _PACKAGE: 3000PCS / REEL.
- _RoHS COMPLIANT.

Description

The GREEN source color devices are made with GaN on Sapphire Light Emitting Diode.

Static electricity and surge damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

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.

E6C1206VGAC1UDA

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	2 θ 1/2
E6C1206VGAC1UDA	GREEN (GaN)	WATER CLEAR	400	600	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	GREEN	520	526	nm	IF=20mA
λ _D	Dominant Wavelength	GREEN			nm	IF=20mA
Δλ _{1/2}	Spectral Line Half-width	GREEN	25		nm	IF=20mA
C	Capacitance	GREEN	105		pF	VF=0V;f=1MHz
VF	Forward Voltage	GREEN	3.0	3.4	V	IF=20mA
IR	Reverse Current	GREEN		10	uA	VR = 5V

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

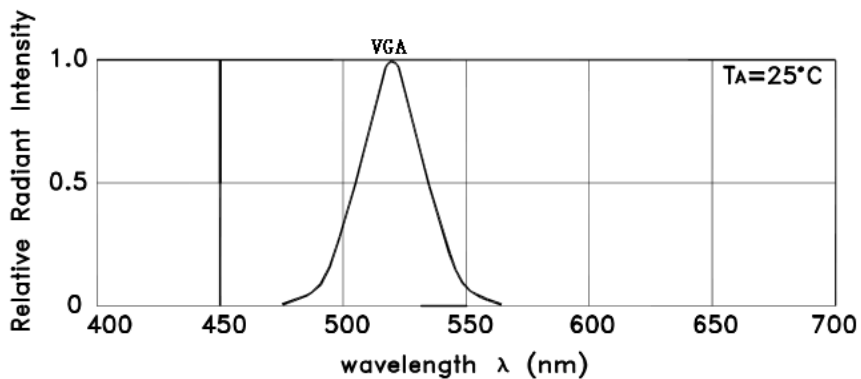
Note: Accuracy may depend on the sorting parameters

Absolute Maximum Ratings at TA=25°C

Parameter	GREEN	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	

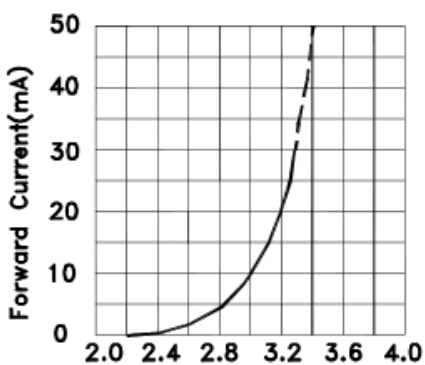
Note:

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

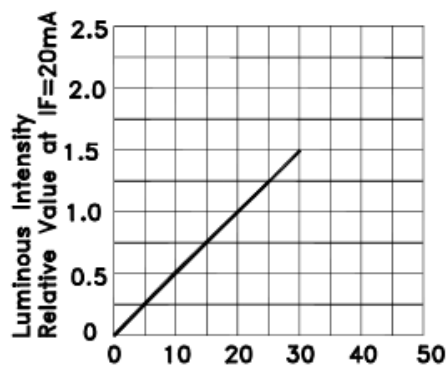


RELATIVE INTENSITY Vs. WAVELENGTH

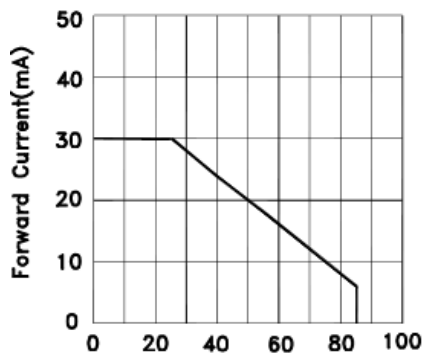
E6C1206VGAC1UDA GREEN



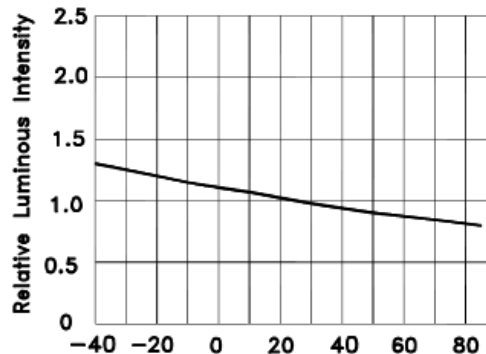
FORWARD CURRENT Vs. FORWARD VOLTAGE



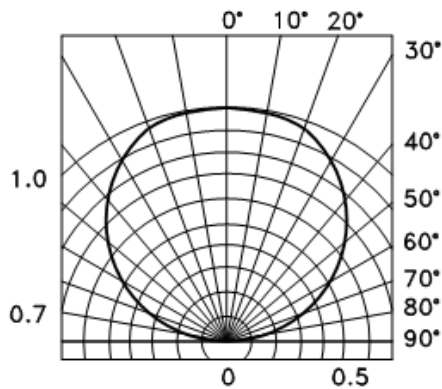
LUMINOUS INTENSITY Vs. FORWARD CURRENT



FORWARD CURRENT DERATING CURVE

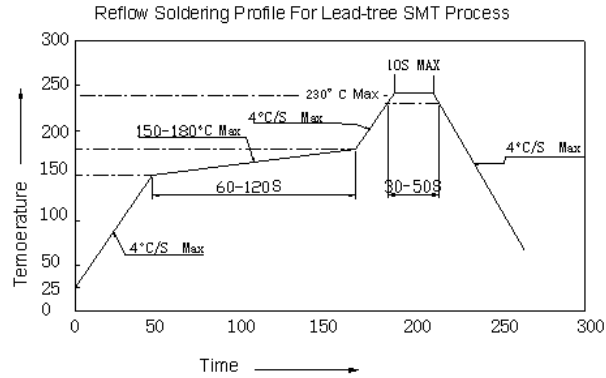


LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE



SPATIAL DISTRIBUTION

E6C1206VGAC1UDA GREEN

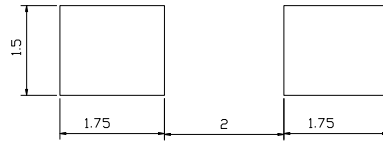


NOTES:

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.

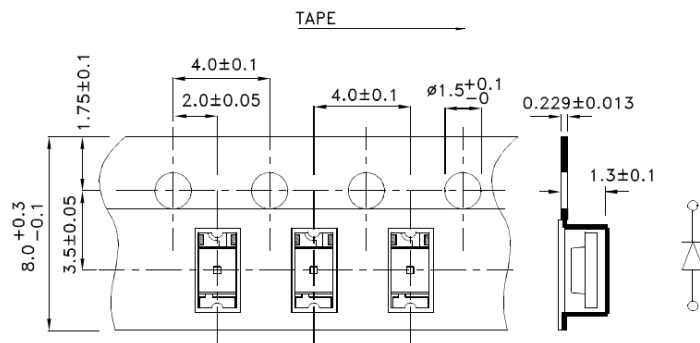
Recommended Soldering Pattern

(Units : mm)



Tape Specifications

(Units : mm)



Remarks:

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

Note: Accuracy may depend on the sorting parameters