

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: E6X1104CWAY1UDA REVISION: 新

发件日期:

回文日期:

ISSUE DATE: 2013/02/23 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



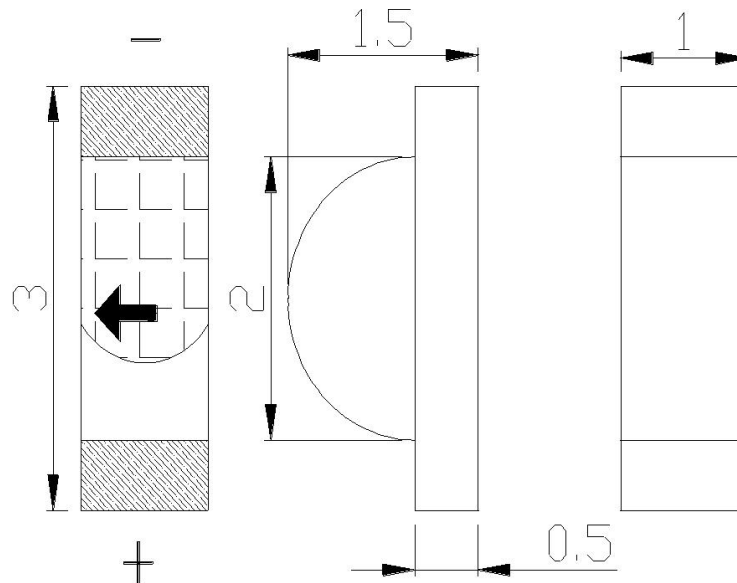
**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

**Features**

- \_3.0mmX1.0mm SMT LED, 1.5mm THICKNESS.
- \_LOW POWER CONSUMPTION.
- \_WIDE VIEWING ANGLE.
- \_IDEAL FOR BACKLIGHT AND INDICATOR.
- \_VARIOUS COLORS AND LENS TYPES AVAILABLE.
- \_PACKAGE: 2000PCS / REEL.
- \_RoHS COMPLIANT.

**Description**

The Yellow source color devices are made with  
Gallium  
Arsenide Phosphide on Gallium Phosphide  
Yellow Light

**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)<br>@ 5mA |            | Viewing<br>Angle |
|-----------------------|-------------------|-----------------|-------------------|------------|------------------|
|                       |                   |                 | Min.              | MAX.       | 2 $\theta$ 1/2   |
| <i>E6X1104WAY1UDA</i> | <b>BLUE (GaN)</b> | Yellow Diffused | <b>300</b>        | <b>400</b> | <b>120</b>       |

**Note:**

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

**Electrical / Optical Characteristics at T<sub>A</sub>=25°C**

| Symbol                  | Parameter                | Device | Typ.  | Max.   | Units | Test Conditions |
|-------------------------|--------------------------|--------|-------|--------|-------|-----------------|
| $\lambda_{\text{peak}}$ | Peak Wavelength          | white  | 7500K | 10000K | nm    | IF=20mA         |
| $\lambda_D$             | Dominant Wavelength      | white  |       |        | nm    | IF=20mA         |
| $\Delta\lambda_{1/2}$   | Spectral Line Half-width | white  |       |        | nm    | IF=20mA         |
| C                       | Capacitance              | white  |       |        | pF    | VF=0V;f=1MHz    |
| VF                      | Forward Voltage          | white  | 3.0   | 3.4    | V     | IF=20mA         |
| IR                      | Reverse Current          | white  |       | 7      | 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

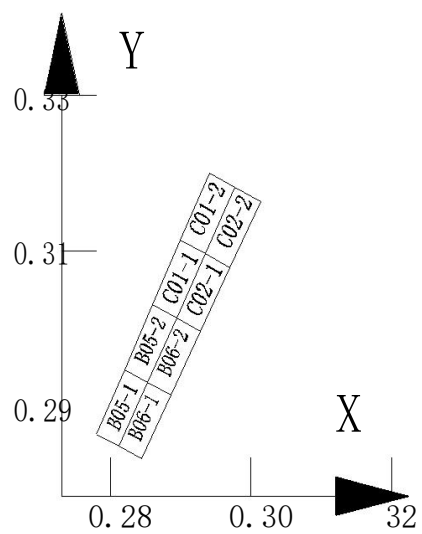
**Absolute Maximum Ratings at T<sub>A</sub>=25°C**

| Parameter                     | white          | Units |
|-------------------------------|----------------|-------|
| Power dissipation             | 135            | mW    |
| DC Forward Current            | 25             | 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.

E6C1204CWAYIUDA



| 色区<br>坐标 | X1     | Y1     | X2     | Y2     | X3     | Y3     | X4     | Y4     |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| B05-1    | 0.2812 | 0.2850 | 0.2780 | 0.2866 | 0.2820 | 0.2948 | 0.2853 | 0.2932 |
| B05-2    | 0.2853 | 0.2932 | 0.2820 | 0.2948 | 0.2860 | 0.3031 | 0.2894 | 0.3015 |
| B06-1    | 0.2845 | 0.2834 | 0.2812 | 0.2850 | 0.2853 | 0.2932 | 0.2886 | 0.2916 |
| B06-2    | 0.2886 | 0.2916 | 0.2853 | 0.2932 | 0.2894 | 0.3015 | 0.2928 | 0.2998 |
| C01-1    | 0.2894 | 0.3015 | 0.2860 | 0.3031 | 0.2899 | 0.3114 | 0.2935 | 0.3097 |
| C01-2    | 0.2935 | 0.3097 | 0.2899 | 0.3114 | 0.2941 | 0.3200 | 0.2977 | 0.3182 |
| C02-1    | 0.2928 | 0.2998 | 0.2894 | 0.3015 | 0.2935 | 0.3097 | 0.2970 | 0.3079 |
| C02-2    | 0.2970 | 0.3079 | 0.2935 | 0.3097 | 0.2977 | 0.3182 | 0.3013 | 0.3164 |

