# EVERLIGHT ELECTRONICS CO.,LTD.

## Technical Data Sheet

4.7mm 1Pcs Circuit Board Indicator

**A2703B/UY/S530-A3**



## ■ Features :

- Low power consumption
- High efficiency and low cost
- Good control and free combinations on the colors of LED lamps
- Good lock and easy to assembly
- Stackable and easy to assembly
  Stackable vertically and easy to assembly
- Versatile mounting on P.C board or panel
- Stackable horizontally and easy to assembly
- Pb free
- The product itself will remain within RoHS compliant version

## ■ Descriptions :

- ARRAY=Plastic Holder+Combinations of Lamps
- The array will easily mount the applicable lamps on any panel up to

## ■ Applications :

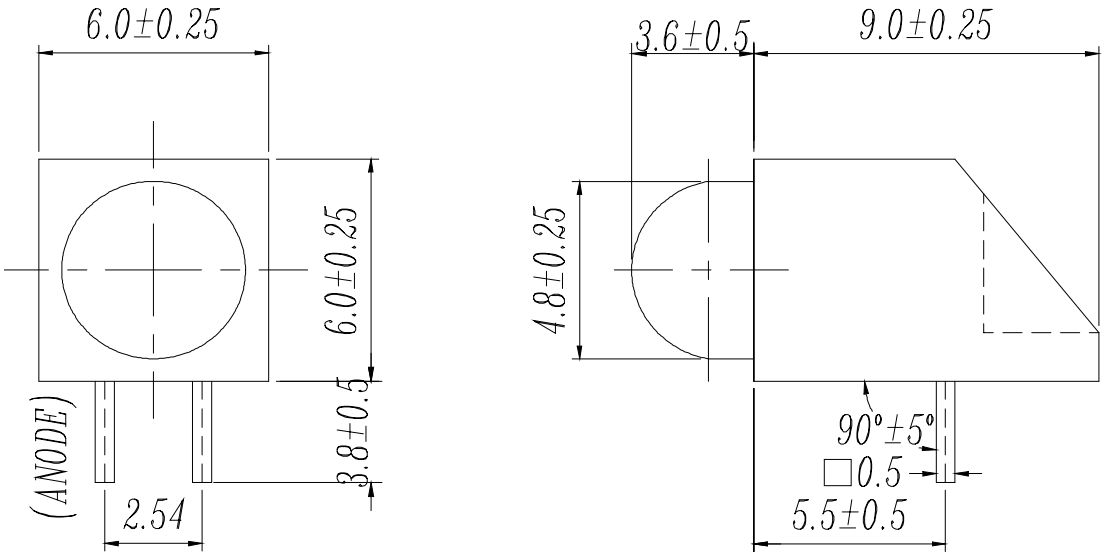
- 1.Used as indicators of indicating the Degree, Functions, Positions etc, in electronic instruments.

| PART NO. | Chip | | Lens Color |
|---|---|---|---|
| | Material | Emitted Color | |
| 7363-2UYD/S530-A3 | AlGaInP | Super Yellow | Yellow Diffused |

# Technical Data Sheet
# 4.7mm 1Pcs Circuit Board Indicator

**A2703B/UY/S530-A3**

Package Dimensions




Notes: 1.All dimensions are in millimeters, tolerance is 0.25mm except being specified
2.Lead spacing is measured where the lead emerge from the package
The product itself will remain within RoHS compliant version

■ Absolute Maximum Ratings at Ta = 25℃

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Forward Current | IF | 25 | mA |
| Operating Temperature | Topr | -40 to +85 | ℃ |
| Storage Temperature | Tstg | -40 to +100 | ℃ |
| Soldering Temperature | Tsol | 260 ± 5 | ℃ |
| Electrostatic Discharge | ESD | 2000 | V |
| Power Dissipation | Pd | 60 | mW |
| Reverse Voltage | VR | 5 | V |

Note: *1:Soldering time ≦ 5 seconds.

# Technical Data Sheet
# 4.7mm 1Pcs Circuit Board Indicator

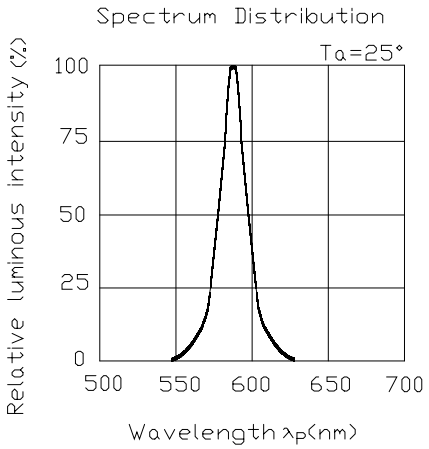
A2703B/UY/S530-A3

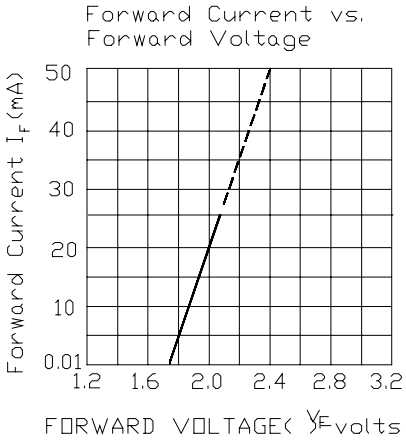
Electro-Optical Characteristics(Ta=25℃)

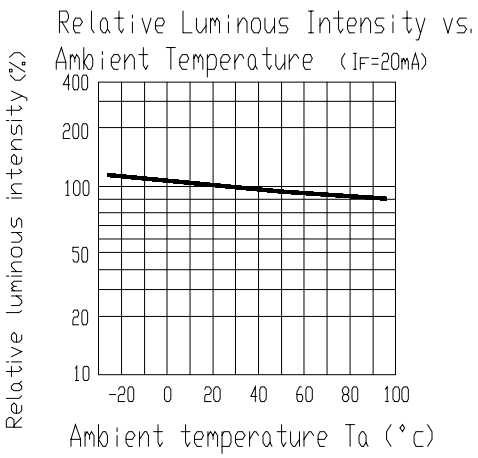
| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| Forward Voltage | $V_F$ | $I_F$= 20 mA | ／ | 2.0 | 2.4 | V |
| Reverse Current | $I_R$ | $V_R$= 5 V | ／ | ／ | 10 | μA |
| Luminous Intensity | Iv | $I_F$= 20 mA | 100 | 200 | ／ | mcd |
| Viewing Angle | 2θ1/2 | $I_F$= 20 mA | ／ | 50 | ／ | deg |
| Peak Wavelength | λp | $I_F$= 20 mA | ／ | 591 | ／ | nm |
| Dominant Wavelength | λd | $I_F$= 20 mA | ／ | 589 | ／ | nm |
| Spectrum Radiation Bandwidth | △λ | $I_F$= 20 mA | ／ | 15 | ／ | nm |

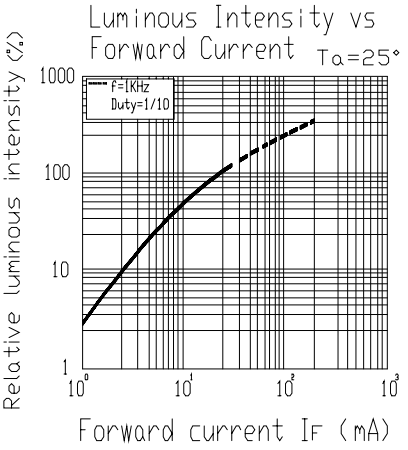
## ■ Typical Electro-Optical Characteristic Curves:

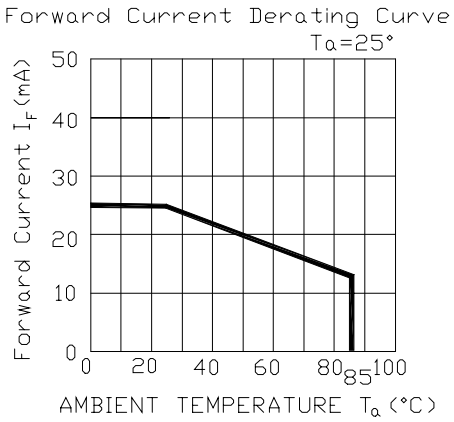
(UY)

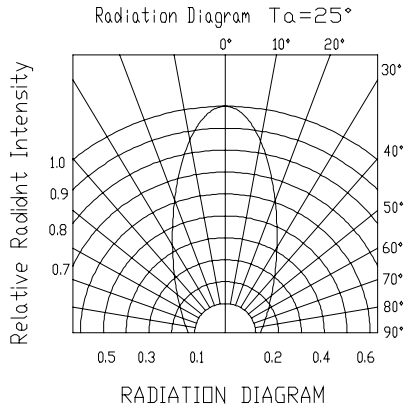


# Technical Data Sheet
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## ■ Reliability test items and conditions:

The reliability of products shall be satisfied with items listed below.

Confidence level：97%

LTPD：3%

| NO | Item | Test Conditions | Test Hours/Cycle | Sample Size | Failure Judgment Criteria | Ac/Re |
|---|---|---|---|---|---|---|
| 1 | Solder Heat | TEMP : 260℃ ± 5 ℃ | 10 SEC | 76 PCS | Iv≦Ivt*0.5 or Vf≧U or Vf≦L | 0/1 |
| 2 | Temperature Cycle | H : +100℃ 15min ∫ 5 min L : -40℃ 15min | 300 CYCLES | 76 PCS | | 0/1 |
| 3 | Thermal Shock | H : +100℃ 5min ∫ 10 sec L : -10℃ 5min | 300 CYCLES | 76 PCS | | 0/1 |
| 4 | High Temperature Storage | TEMP : 100℃ | 1000 HRS | 76 PCS | | 0/1 |
| 5 | Low Temperature Storage | TEMP : -40℃ | 1000 HRS | 76 PCS | | 0/1 |
| 6 | DC Operating Life | TEMP : 25℃ $I_F$ = 20mA | 1000 HRS | 76 PCS | | 0/1 |
| 7 | High Temperature / High Humidity | 85℃ / 85% RH | 1000 HRS | 76 PCS | | 0/1 |

Note： Ivt：To test Iv value of the chip before the reliablility test

Iv：The test value of the chip that has completed the reliablility test

U：Upper Specification Limit

L： Lower Specification Limit

# Technical Data Sheet
# 4.7mm 1Pcs Circuit Board Indicator

A2703B/UY/S530-A3

## Packing Quantity Specification

1.500PCS/1Bag，4Bags/1Box

2. 10Boxes/1Carton

## Label Form Specification




CPN: Customer’ s Production Number

P/N : Production Number

QTY: Packing Quantity

CAT: Ranks

HUE:Dominant Wavelength

REF: Reference

LOT No: Lot Number

MADE IN TAIWAN: Production Place

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.

The product itself will remain within RoHS compliant version

for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.

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*EVERLIGHT ELECTRONICS CO., LTD.* *Tel: (886-2-2267-2000, 2267-9936*
*Office: No 25, Lane 76, Sec 3, Chung Yang Rd,* *Fax: 886-2267-6244, 2267-6189, 2267-6306*
*Tucheng, Taipei 236, Taiwan, R.O.C* *http:\\www.everlight.com*

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ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709