



工程文件 製訂 / 變更 通知單
 Engineer document formulated or modified Notice

| | |
|--------------------------|--------------|
| 文件編號: (Device Number) | CDLE-033-382 |
| ECN# | |

| | | | | | | | |
|----------------------|-------------------|------------|------------------------------------|------------|-----------|---------|------------------------|
| 文件名稱: (Model No.) | 333-2SYGW/S530-E2 | 版次 REV. | 原 2 版變更為 3 版 raw edition change | 日期 date | 2004年1月6日 | 頁數 page | 共 6 頁 total 6 pages |
|----------------------|-------------------|------------|------------------------------------|------------|-----------|---------|------------------------|

文件制訂/變更內容描敘:(篇幅不足,請以另紙附上):
 document workout / revise content

製訂項目 Workout Item:

- 新產品
New product
- 衍生機種
Serial device
- 新制訂規格
New specification

變更項目 Revise Item:

- 材料變更 change material
- 製程變更 change process
- 設備、治具 fixture、tool
- 規格變更 change specification

處理方式 Disposition:

- 舊材料處理方式
Old material
- WIP WIP
- 舊庫存 old storage
- 無庫存問題 No storage

文件製訂/變更理由:(請詳細說明): File formulating/modifying reasons:(Please detailed explain)

規格依據(Specification basis):

此規格變更規格(The specification changes formats)

工程編號(Engineer Number) 業務編號(Sales umber): BG0312127,R0303442

| 品保審核 chqa check | 台北研一部 rd1 confirm | 台北品保 qp confirm | 維護審核 R/M check | 資材部 chpc | 業務部 cm check | 人資部 Chpn | 制一部 chpd1 | 制二部 chpd2 | 制三部 chpd3 | 复印 copy | 生技 chie | 資材 chpc | 工程一 chrd1 | 工程二 chrd2 | 制一 chpd1 | 制二 chpd2 | 制三 chpd3 | 制六 chpd6 | |
|-----------------------|-------------------------------|-----------------------|-----------------------|-------------|--------------------|-------------|--------------|--------------|--------------|------------|------------|------------|--------------|--------------|-------------|-------------|-------------|-------------|----------|
| / | / | / | / | / | / | / | / | / | / | | / | / | 1 | / | / | / | / | / | / |
| 擬案人 Designer | 部門主管 Department Charger | 工程一 chrd1 check | 工程二 chrd2 check | 生技 chie | 制六部 chie | | | | | | | 品保 chqa | 維護 R/M | 業務 CM | 人資 chpn | | | | 台北 TP |
| 張#存 1/6 | | | / | / | / | | | | | | 1 | / | / | / | | | | 1 | |

廣州恆光電子有限公司
 GUANG ZHOU EVERLIGHT ELECTRONICS CO.,LTD



EVERLIGHT ELECTRONICS CO.,LTD.

DATA SHEET

PART NO. : 333-2SYGW/S530-E2

DATE : 2004/1/6

DEPARTMENT : CHR&D1

REVISION : 3

| | | | |
|---|----------|---------|----------|
| RECEIVED | | | |
| <input checked="" type="checkbox"/> MASS PRODUCTION | | | |
| <input type="checkbox"/> PRELIMINARY | | | |
| <input type="checkbox"/> CUSTOMER DESIGN | | | |
| DEVICE NUMBER : CDLE-033-382 | | | |
| PAGE : 6 | | | |
| CUSTOMER | DESIGNER | CHECKER | APPROVER |
| | 张仕琼 | | |

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| 3 | Revision Update | 2004/1/6 |
| REV. | DESCRIPTION | RELEASE DATE |

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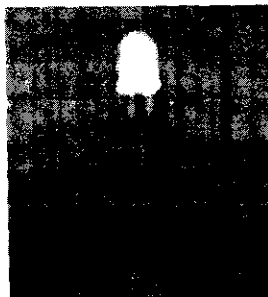
Technical Data Sheet

5.0mm Round Type LED Lamps

333-2SYGW/S530-E2

■ Features :

- Choice of various viewing angles
- Available on tape and reel.
- Reliable and robust



■ Descriptions :

- The series is specially designed for applications requiring higher brightness
- The led lamps are available with different colors, intensities,

■ Applications :

- TV set
- Monitor
- Telephone
- Computer

| PART NO. | Material | Emitted Color | Lens Color |
|-------------------|----------|--------------------|----------------|
| 333-2SYGW/S530-E2 | AlGaInP | Super Yellow Green | White Diffused |

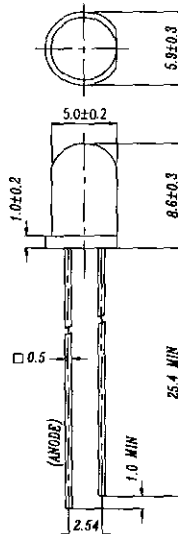


Technical Data Sheet

5.0mm Round Type LED Lamps

333-2SYGW/S530-E2

Package Dimensions



Notes: 1. All dimensions are in millimetres

2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.

3. Tolerances unless Dimension ± 0.25 mm.

Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|-------------------------|--------------------|-------------|------------------|
| Forward Current | I_F | 25 | mA |
| Operating Temperature | T_{opr} | -40 to +85 | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | -40 to +100 | $^\circ\text{C}$ |
| Electrostatic Discharge | ESD | 2000 | V |
| Soldering Temperature | T_{sol} | 260 ± 5 | $^\circ\text{C}$ |
| Power Dissipation | P_d | 60 | mW |
| Peak Forward Current | $I_F(\text{Peak})$ | 160 | mA |
| Reverse Voltage | V_R | 5 | V |

Note: *1: I_{FP} Conditions --Pulse Width $\leq 1\text{msec}$ and Duty $\leq 1/10$.

*2: Soldering time ≤ 5 seconds.



Technical Data Sheet
5.0mm Round Type LED Lamps

333-2SYGW/S530-E2

Electro-Optical Characteristics (Ta=25°C)

| 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 | I _v | I _F = 20 mA | 63 | 125 | / | mcd |
| Viewing Angle | 2θ 1/2 | I _F = 20 mA | / | 35 | / | deg |
| Peak Wavelength | λ _p | I _F = 20 mA | / | 575 | / | nm |
| Dominant Wavelength | λ _d | I _F = 20 mA | / | 573 | / | nm |
| Spectrum Radiation Bandwidth | Δλ | I _F = 20 mA | / | 20 | / | nm |



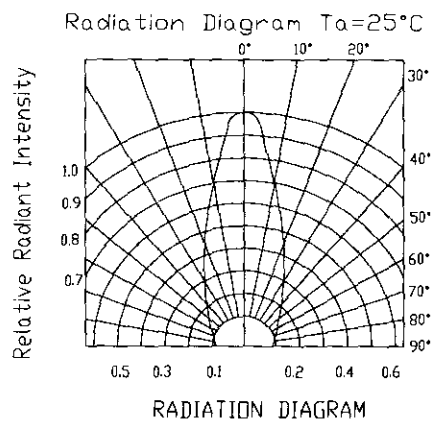
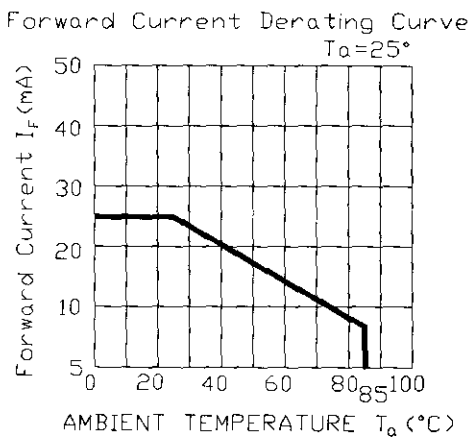
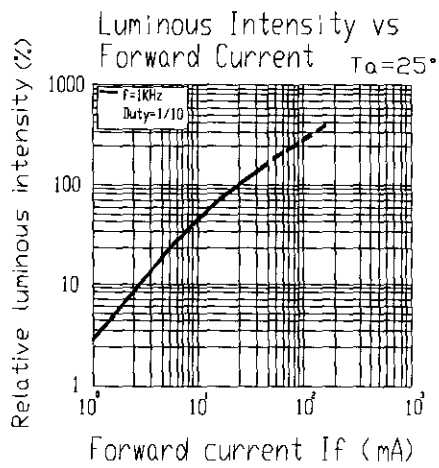
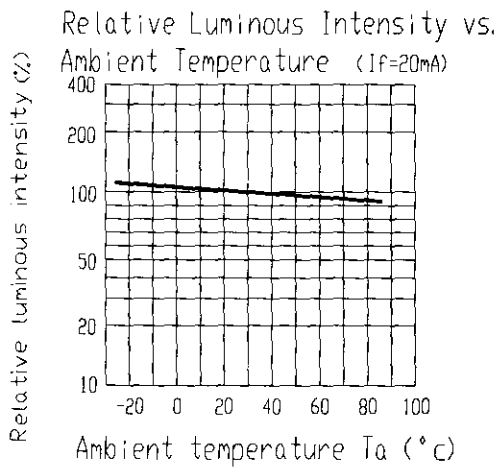
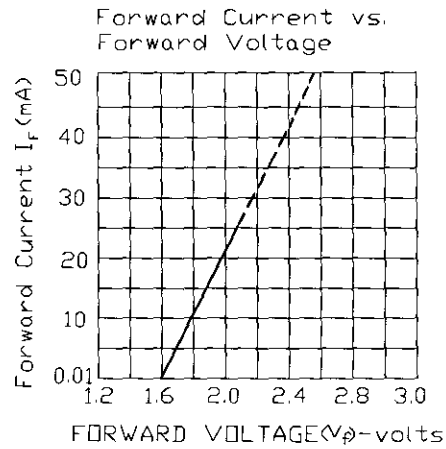
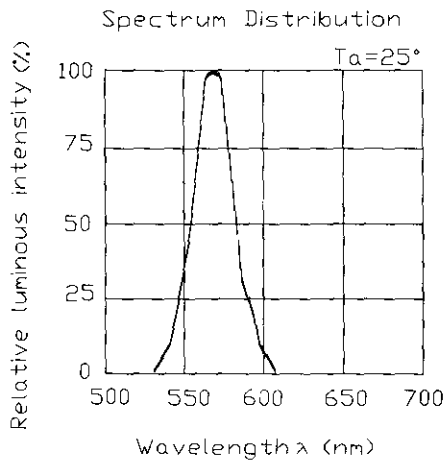
Technical Data Sheet

5.0mm Round Type LED Lamps

333-2SYGW/S530-E2

Typical Electro-Optical Characteristic Curves:

(SYG)





Technical Data Sheet
5.0mm Round Type LED Lamps

333-2SYGW/S530-E2

■ Reliability test items and conditions:

| NO | Item | Test Conditions | Test Hours/Cycle | Sample size | Ac/Re |
|----|----------------------------------|--|------------------|-------------|-------|
| 1 | Solder Heat | TEMP : 260°C ± 5 °C | 10 SEC | 76 PCS | 0/1 |
| 2 | Temperature Cycle | H : +100°C 15min ∫ 5 min L : -40°C 15min | 300 CYCLES | 76 PCS | 0/1 |
| 3 | Thermal Shock | H : +100°C 5min ∫ 10 sec L : -10°C 5min | 300 CYCLES | 76 PCS | 0/1 |
| 4 | High Temperature Storage | TEMP : 100°C | 1000 HRS | 76 PCS | 0/1 |
| 5 | Low Temperature Storage | TEMP : -40°C | 1000 HRS | 76 PCS | 0/1 |
| 6 | DC Operating Life | TEMP : 25°C If = 20mA | 1000 HRS | 76 PCS | 0/1 |
| 7 | High Temperature / High Humidity | 85°C / 85% RH | 1000 HRS | 76 PCS | 0/1 |



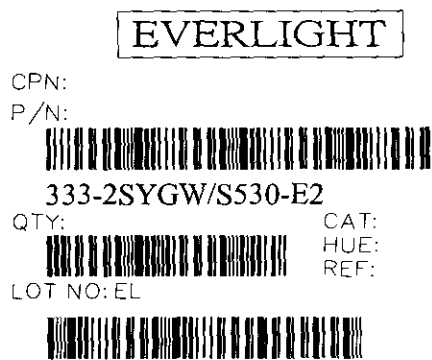
Technical Data Sheet
5.0mm Round Type LED Lamps

333-2SYGW/S530-E2

Packing Quantity Specification

1.500PCS/1Bag , 5Bags/1Box
2.10Boxes/1Carton

Label Form Specification



CPN: Customer's Production Number
P/N : Production Number
QTY: Packing Quantity
CAT: Ranks
HUE: Peak Wavelength
REF: Reference
LOT No: Lot Number
MADE IN TAIWAN: Production Place

MADE IN TAIWAN

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions 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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