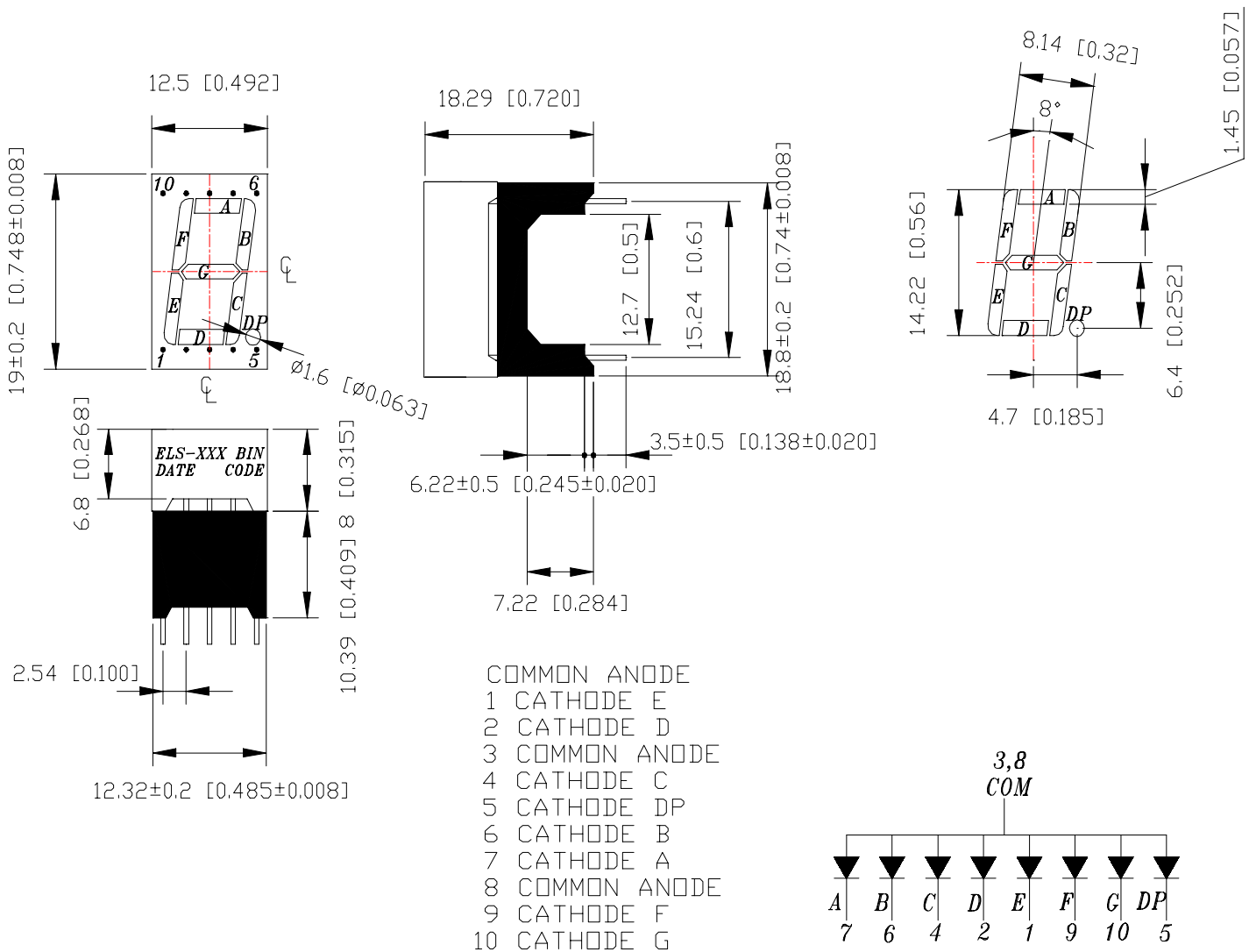




(Preliminary)

Package Dimensions



Supplier will reserve authority on material change for above specification.



Technical Data Sheet 0.56" Single Digit Display

(Preliminary)

ELS-512SDRWB/S614

■ Absolute maximum ratings at Ta = 25°C :

| Parameter | Symbol | Rating | Unit |
|--|-----------------------|-------------|------|
| Reverse Voltage | V _R | 5 | V |
| Forward Current | I _F | 25 | mA |
| Operating Temperature | T _{opr} | -40 to +85 | °C |
| Storage Temperature | T _{stg} | -40 to +100 | °C |
| Soldering Temperature | T _{sol} | 260 ± 5 | °C |
| Electrostatic Discharge | ESD | 2000 | V |
| Power Dissipation | P _d | 60 | mW |
| Peak Forward Current(Duty 1/10 @ 1KHZ) | I _F (Peak) | 60 | mA |

■ Electronic optical characteristics :

| Parameter | | Symbol | Min. | Typ. | Max. | Unit | Condition |
|------------------------------|-------------------|----------------|------|------|------|------|----------------------|
| Luminous Intensity | Per segment | I _v | ---- | 2.5 | ---- | mcd | I _F =2mA |
| | | | 5.6 | 12.5 | ---- | | I _F =10mA |
| | Per decimal point | I _v | ---- | 0.7 | ---- | mcd | I _F =2mA |
| | | | 1.4 | 3.0 | ---- | | I _F =10mA |
| Peak Wavelength | | λ _p | ---- | 650 | ---- | nm | I _F =20mA |
| Dominant Wavelength | | λ _d | ---- | 639 | ---- | nm | I _F =20mA |
| Spectrum Radiation Bandwidth | | △λ | ---- | 20 | ---- | nm | I _F =20mA |
| Forward Voltage | | V _F | ---- | 2.0 | 2.4 | V | I _F =20mA |
| Reverse Current | | I _R | ---- | ---- | 100 | μA | V _R =5V |



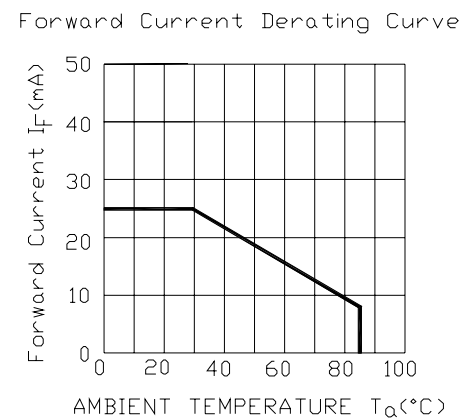
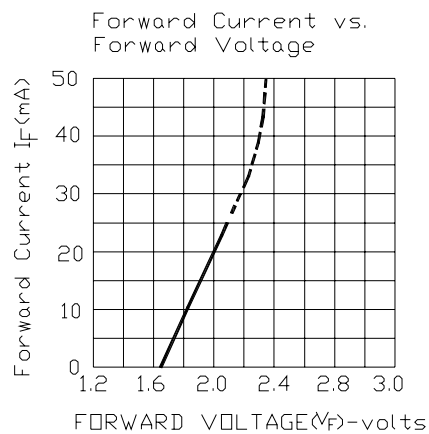
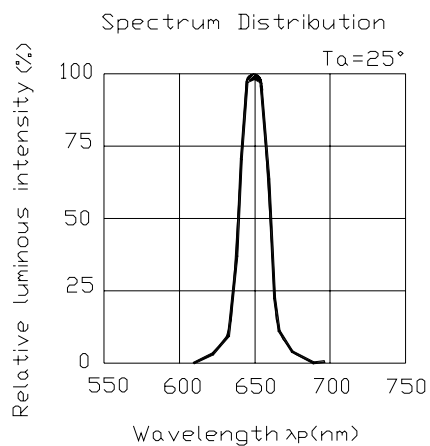
Technical Data Sheet
0.56" Single Digit Display

(Preliminary)

ELS-512SDRWB/S614

■ Typical Electro-Optical Characteristic Curves:

(SDR)



**Technical Data Sheet
0.56" Single Digit Display****(Preliminary)****ELS-512SDRWB/S614****■ Reliability test items and conditions:**

| NO | Item | Test Conditions | Test Hours/Cycle | Sample Size | Ac/Re |
|----|----------------------------------|---|------------------|-------------|-------|
| 1 | Solder Heat | TEMP : 260°C ± 5 °C | 5 SEC | 76 PCS | 0/1 |
| 2 | Temperature Cycle | H : +85°C 30min ∫ 5 min L : -55°C 30min | 50 CYCLE | 76 PCS | 0/1 |
| 3 | Thermal Shock | H : +100°C 5min ∫ 10 sec L : -10°C 5min | 50 CYCLE | 76 PCS | 0/1 |
| 4 | High Temperature Storage | TEMP : 100°C | 1000 HRS | 76 PCS | 0/1 |
| 5 | Low Temperature Storage | TEMP : -55°C | 1000 HRS | 76 PCS | 0/1 |
| 6 | DC Operating Life | IF = 10 mA | 1000 HRS | 76 PCS | 0/1 |
| 7 | High Temperature / High Humidity | 85°C/85% RH | 1000 HRS | 76 PCS | 0/1 |



EVERLIGHT ELECTRONICS CO.,LTD.

Technical Data Sheet

0.54" Single Digit Display

(Preliminary)

ELS-512SDRWB/S614

■ Packing Quantity Specification

Packing plate is untapped because that this type is new, there is no packing specification for a while.

Label Form Specification

| | |
|-------------------|------|
| EVERLIGHT | |
| CPN: | |
| P/N: | |
| | |
| ELS-512SDRWB/S614 | |
| QTY: | CAT: |
| | HUE: |
| LOT NO: | REF: |
| MADE IN CHINA | |

CPN: Customer's Production Number

P/N : Production Number

QTY: Packing Quantity

CAT : Ranks of Luminous Intensity

HUE: Dominant Wavelength

REF: Reference

LOT No: Lot Number

MADE IN China : Production Place

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.
3. These specification sheets include materials protected under copyright of EVERLIGHT corporation. Please don't reproduce or cause anyone to reproduce them without EVERLIGHT's consent.

EVERLIGHT ELECTRONICS CO., LTD.

Office: 7c Building ,Lian Hua Port Industrial District, Lian Hua Shan

Bonded Pricessing, Zone Pan Yu, Guang Zhou, China

Tel: (020) 84860913 , 84860914

Fax: (020) 84860600

<http://www.everlight.com>