



Y.LIN ELECTRONICS CO.,LTD.

Data Sheet

Customer: _____
Part No: YL5262BSBWB6.3
Sample No: _____
Description: 0.56" Blue Total Positive Digital LED
Item No: _____

| Customer | | | |
|----------|------------|----------|------|
| Check | Inspection | Approval | Date |
| | | | |

| Y.LIN | | | |
|-------|-------|----------|-----------|
| Drawn | Check | Approval | Date |
| | | | 2018/1/15 |

Mainland address: Jinhe The Third Industrial Zone, Zhangmutou Town, Dongguan, Guangdong, China

H.K address: Unit 503 5/F, Silvercord Tower 230 Canton Road Tsimshatsui

TEL: 0769-87181888 FAX: 0769-87187333 E-mail: ylin20@y-lin.com [Http://www.yong-lin.net](http://www.yong-lin.net)



YL5262BSBWB6.3

Features:

- . Industrial standard size.
- . Low power consumption.
- . Categorized for luminous intensity.
- . Pb free

Descriptions :

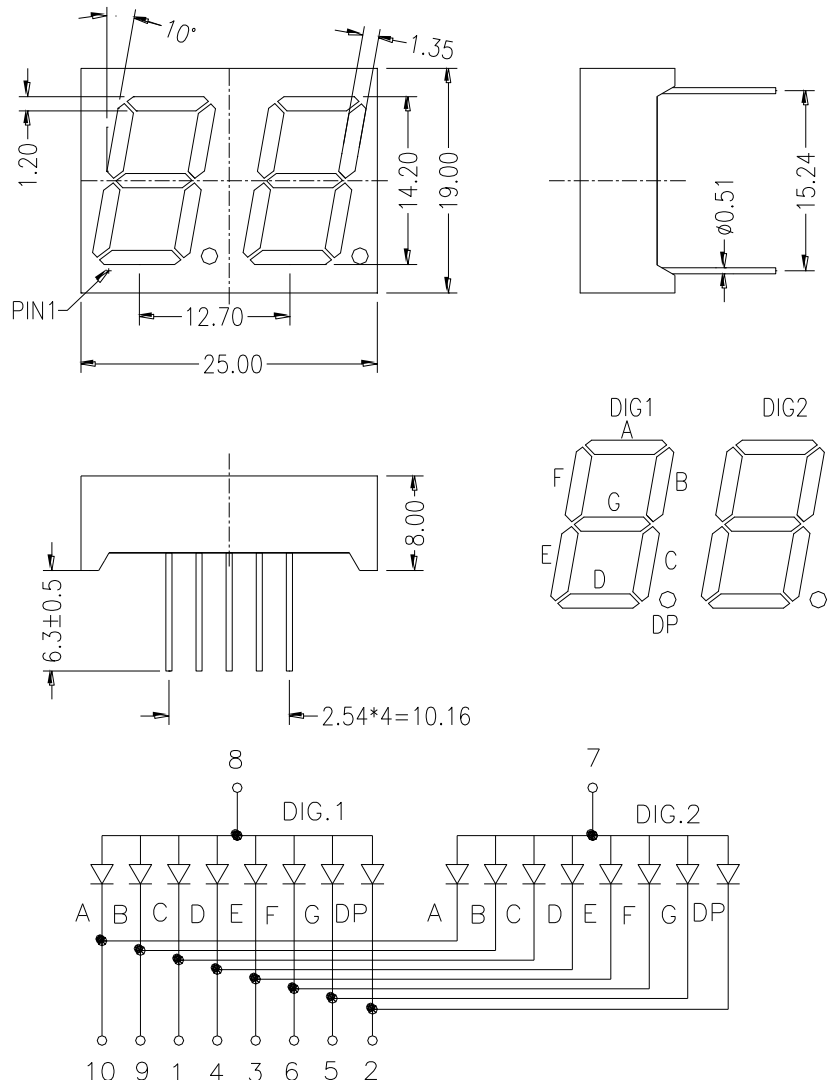
- . These displays provide excellent reliability in bright ambient light.
- . These devices are made with white segments and black surface.



Applications

- DVD player
- Audio equipment
- Instrument panels
- Digital read out display

Package Dimensions:



NOTES

- 1.All dimensions are in millimeters .
- 2.Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted.



Selection Guide

| Part No. | Dice | Lens Type | Luminous intensity(mcd) | | | test conditions |
|----------------|-----------------|-------------------|-------------------------|-----|-----|-----------------|
| | | | Min | Typ | Max | |
| YL5262BSBWB6.3 | Blue (InGaP) | White Diffused | 150 | -- | 160 | IF=20mA |

Note:

- 1.1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- 2.the above luminous intensity measurement allowance tolerance $\pm 15\%$

Electrical / Optical Characteristics at Ta=25°C

| Parameter | Symbol | Min. | Typ. | Max | Units | test conditions |
|---------------------|-------------|------|------|-----|-------|-----------------|
| Forward Voltage | VF | 2.9 | 3.0 | 3.4 | V | IF=20mA |
| Reverse Current | IR | -- | -- | 20 | uA | VR = 5V |
| Dominate Wavelength | λd | 463 | -- | 470 | nm | IF=20mA |

Absolute Maximum Ratings at Ta=25°C

| Parameter | Symbol | Rating | Units |
|--|--------|---------------------|-------|
| Power Dissipation | Pd | 65 | mW |
| DC Forward Current | IF | 20 | mA |
| Peak Forward Current [Duty 1/10 @ 1KHZ] | IFP | 90 | mA |
| Reverse Voltage | VR | 5 | V |
| Operating Temperature | Topr | -20~+85 | °C |
| Storage Temperature | Tstg | -20~+80 | °C |
| Lead Soldering Temperature [1.6mm(.063") From Body] | | 260°C for 3 seconds | |

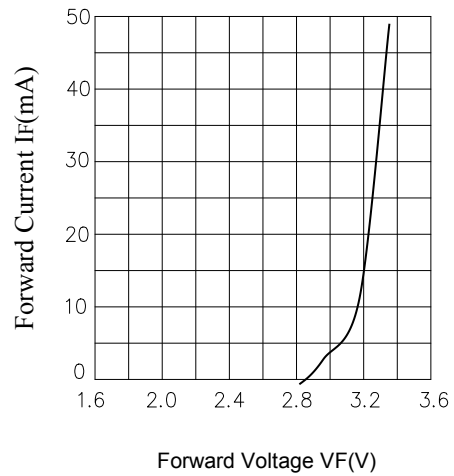
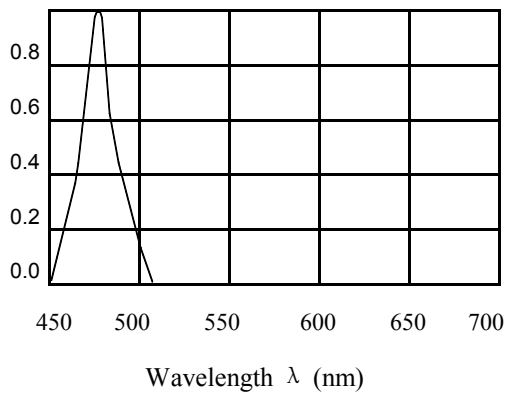
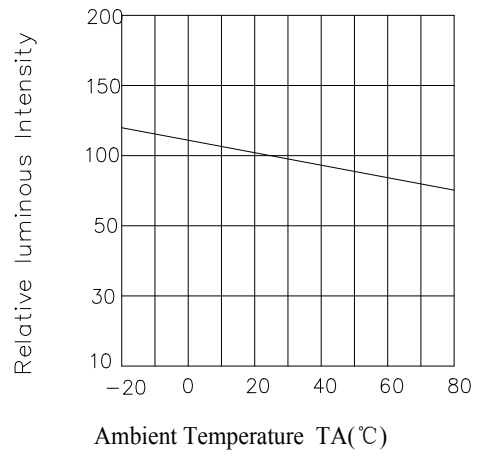
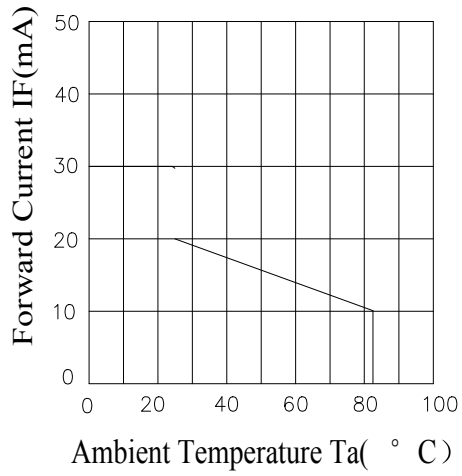
Note:

1. 1/10 Dut cycle,0.1ms pulse width.
2. The above forward voltage measure ment allowance tolerance $\pm 0.1V$.



YL5262BSBWB6.3

Typical optical characteristics curves





Reliability Test

| 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 |

The appearance and specifications of the product may be modified for improvement,without prior notice.