BRIGHT LED ELECTRONICS CORP.

BL-B3141-AT

Features:

1. Chip material: GaAsP/GaP

2. Emitted color: Yellow

3. Lens Appearance: Yellow Diffused

Low power consumption.

5. High efficiency.

6. Versatile mounting on P.C. Board or panel.

7. Low current requirement.

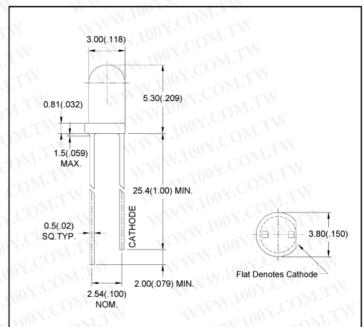
8. 3mm diameter package

This product don't contained restriction substance, compliance RoHS standard.

Applications:

- 1. TV set
- 2. Monitor
- 3. Telephone
- 4. Computer
- 5. Circuit board

Package dimensions:



Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25mm (0.01") unless otherwise specified.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

● Absolute Maximum Ratings(Ta=25°C)

| Parameter V | Symbol | Rating | Unit |
|----------------------------|---------------|---------------------------|------|
| Power Dissipation | 100 Pd M | 80 | mW |
| Forward Current | N.100 LEOM.T | 30 COM | mA |
| Peak Forward Current*1 | W.100 IFPCOM. | 150 CO | mA |
| Reverse Voltage | V_R | 5 | V |
| Operating Temperature | Topr | -40℃~85℃ | |
| Storage Temperature | Tstg | -40°C~100°C | |
| Soldering Temperature | Tsol | 260°C max (for 5 seconds) | |
| Hand Soldering Temperature | Tsol | 350°C max(for 3 seconds) | |

^{*1}Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

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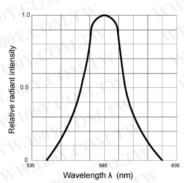
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■ Electrical and optical characteristics(Ta=25°C)

| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------------|--------|-----------|---------|-------|--------|------|
| Forward Voltage | VF | IF=20mA | AMM | 2.1 | 2.6 | V |
| Luminous Intensity | lv . | IF=20mA | -MM, | 30 | WEM | mcd |
| Reverse Current | IR | VR=5V | - 11/1 | 1007. | 100 | μΑ |
| Peak Wave Length | λp | IF=20mA | - W | 590 | COMITY | nm |
| Dominant Wave Length | λd | IF=20mA | √ 580 √ | 100 | 594 | nm |
| Spectral Line Half-width | Δλ | IF=20mA | W | 35 | M.Com | N nm |
| Viewing Angle | 201/2 | IF=20mA | - W7 | 35 | OA.Com | deg |

Typical Electro-Optical Characteristics Curves

Fig.1 Relative intensity vs. Wavelength



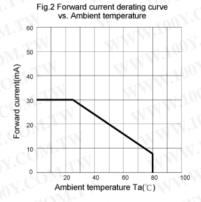


Fig 3 Forward current vs. Forward voltage

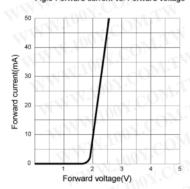


Fig.4 Relative luminous intensity vs. Ambient temperature

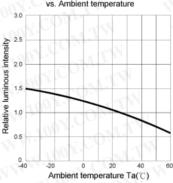


Fig.5 Relative luminous intensity

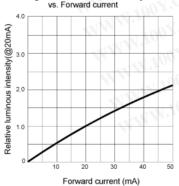
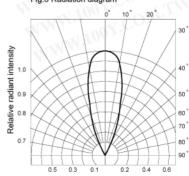


Fig.6 Radiation diagram

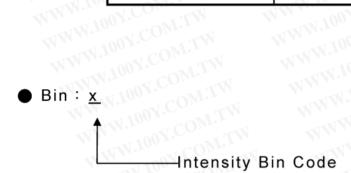


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Bin Limits

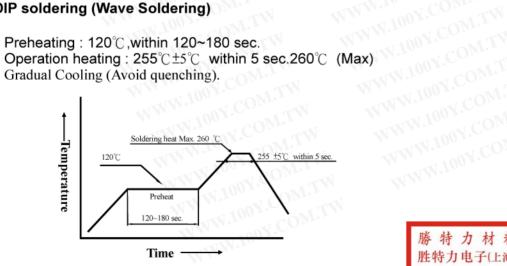
| Bin Code | Min. (mcd) | Max. (mcd |
|------------|------------|-----------|
| TW K WWW. | 12.3 | 18.5 |
| WIN L WWW | 18.5 | 28 |
| OM.TW M WW | 28 | 42 |
| OM.TWN | 42 | 63 |
| COM. TR W | 63 | 94 |



WWW.100Y.COM.TW 100X.COM.TW :±15% WWW.100Y.COM.TW NOTES:1. Tolerance of measurement of luminous intensity. WWW.100Y.COM

WW.100Y.COM.TW DIP soldering (Wave Soldering)

WWW.100Y.COM.TW WWW.100Y.COM.TW WWW.100Y.COM.TW



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