

Ningbo Junsheng Electronics Co.,LTD.

产品承认书

PRODUCT APPROVED

(CUSTOMERS) \_\_\_\_\_

(CUSTOMER P/N) \_\_\_\_\_

(PART NUMBER) JSS-2812Bxx

(DESCRIPTION) 0.28 inch common anode smd display

(SAMPLE DATE) \_\_\_\_\_

| Specification | INSPECTION   | SAMPLE         | OTHERS        |
|---------------|--------------|----------------|---------------|
| (APPROVED BY) | (CHECKED BY) | (PROOFREAD BY) | (PREPARED BY) |
|               |              |                |               |

| Version | Date | Description | Maker |
|---------|------|-------------|-------|
|         |      |             |       |
|         |      |             |       |
|         |      |             |       |

| (CUSTOMER VERDICT)       |  |                          |  |
|--------------------------|--|--------------------------|--|
| (OK)                     |  | (NG)                     |  |
| <input type="checkbox"/> |  | <input type="checkbox"/> |  |

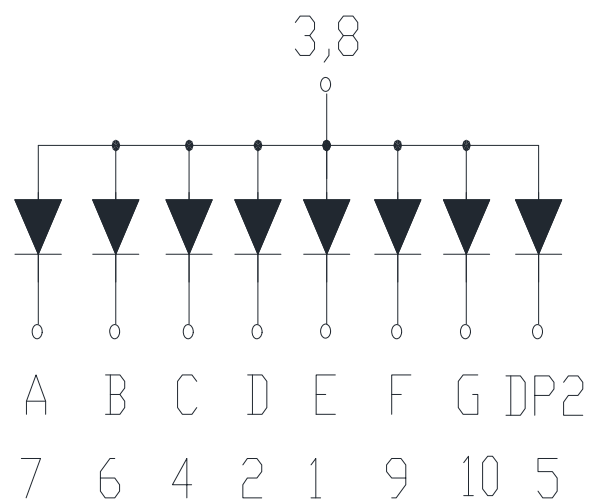
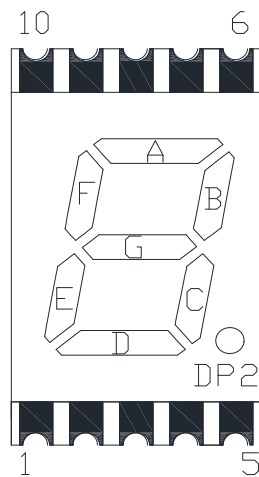
|                |                  |
|----------------|------------------|
| (APPROVED BY): | (APPROVED DATE): |
|----------------|------------------|

(IMPROVED ADVICE):

REMARK: FOR OFFERING THE BEST SERVICE TO CUSTOMER, PLEASE FAX THE DATA TO FACTORY IN TIME



## 4.INTERNAL CIRCUIT DIAGRAM



Common Anode

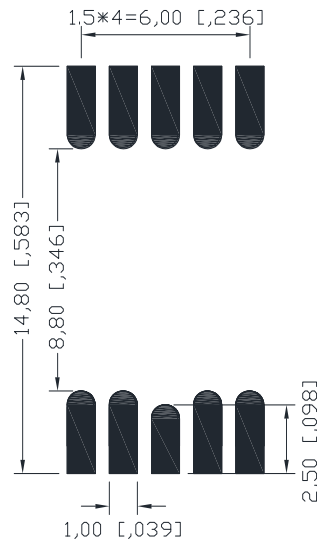
## 5.ABSOLUTE MAXIMUM RATINGS AT T<sub>a</sub>=25°C:

| Items                      | Symbol | Absolute maximum Rating                                             | Unit |
|----------------------------|--------|---------------------------------------------------------------------|------|
| Forward Current(DC)        | IF     | 20                                                                  | mA   |
| Power Dissipation          | W      | 60                                                                  | Mw   |
| Peak Forward Current*      | IFP    | 100                                                                 | mA   |
| Reverse Voltage            | VR     | 5                                                                   | V    |
| Operation Temperature      | Topr   | -40+85                                                              | °C   |
| Storage Temperature        | Tstg   | -40+100                                                             | °C   |
| Lead Soldering Temperature | Tsol   | Max .260 °C for 3 sec Max.<br>(3mm from the base of the epoxy bulb) |      |

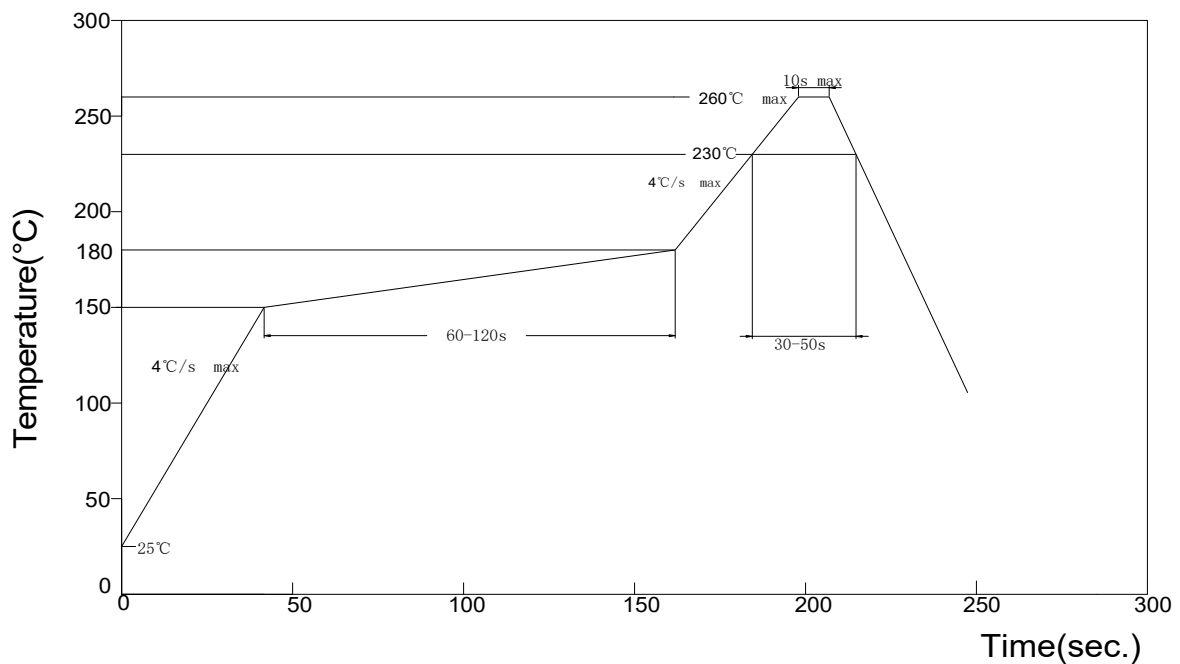
## 6.ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

| Part No        | Emitting Color | Chip Material | Forward Voltage ( V ) |     | Luminous Intensity (mcd) |     | Peak Wave Length(λP) nm |     |
|----------------|----------------|---------------|-----------------------|-----|--------------------------|-----|-------------------------|-----|
|                |                |               | IF=10mA               |     |                          |     |                         |     |
|                |                |               | Typ                   | Max | Min                      | Typ | Typ                     | Max |
| JSS-2812BUR-21 | Ultra Red      | AlGaInP       | 2.0                   | 2.5 | 20                       | 40  | 630                     | 640 |
| JSS-2812BSR-21 | Super Red      | AlGaInP       | 2.0                   | 2.5 | 40                       | 80  | 620                     | 625 |
| JSS-2812BUY-21 | Yellow         | AlGaInP       | 2.0                   | 2.5 | 40                       | 60  | 585                     | 595 |
| JSS-2812BUG-21 | Green          | AlGaInP       | 2.0                   | 2.5 | 10                       | 20  | 570                     | 575 |
| JSS-2812BUA-21 | Amber          | AlGaInP       | 2.0                   | 2.5 | 40                       | 60  | 600                     | 610 |
| JSS-2812BUB-21 | Blue           | InGan         | 3.0                   | 3.5 | 40                       | 60  | 460                     | 470 |
| JSS-2812BPG-21 | Pure Green     | InGan         | 3.0                   | 3.5 | 80                       | 150 | 520                     | 525 |
| JSS-2812BUW-21 | White          | InGan         | 3.0                   | 3.5 | 100                      | 200 | X0.30/Y0.30             |     |

## 7.Recommended Soldering Pattern:



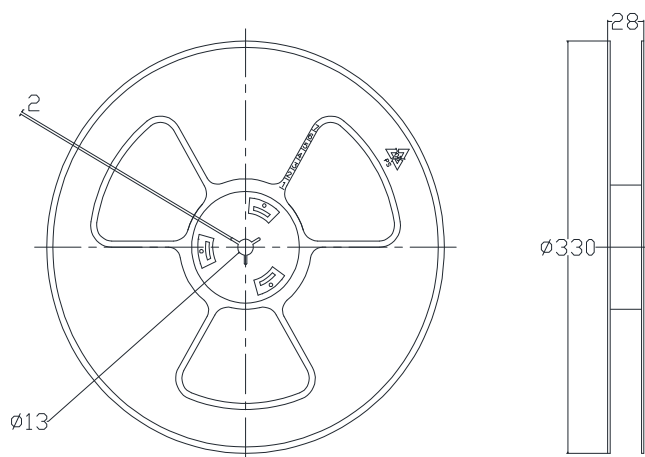
## 8、推荐的 SMT 焊接曲线 Recommended SMT condition:



### NOTES:

- 1.We recommend the reflow temperature  $245^{\circ}\text{C}$  ( $\pm 5^{\circ}\text{C}$ ). The maximum soldering temperature should be limited to  $260^{\circ}\text{C}$ .
- 2.Don't cause stress to the epoxy resin while it is exposed to high temperature.
- 3.Number of reflow process shall be 2 times or less.

## 9.Reel Dimensions:



## 10.Packing and Lable Specifications:

