

# 承 认 书

SPECIFICATION FOR APPROVAL

客户:

CUSTOMER

品 名: 0.8英寸3位白光数码管

DESCRIPTION

型号: JCP-8031BW-1652

MODEL

日 期:

2025.01.05

DATE

承 制 方

MANUFACTURER:

| 制表<br>DRAFTING | 审核<br>CHECK | 核准<br>APPROVE |
|----------------|-------------|---------------|
|                |             |               |

使 用 方

USER:

| 核准<br>APPROVE | 签章 |
|---------------|----|
|               |    |

公司名称: 上海彩尚实业有限公司

电话 TEL: 021-22811028

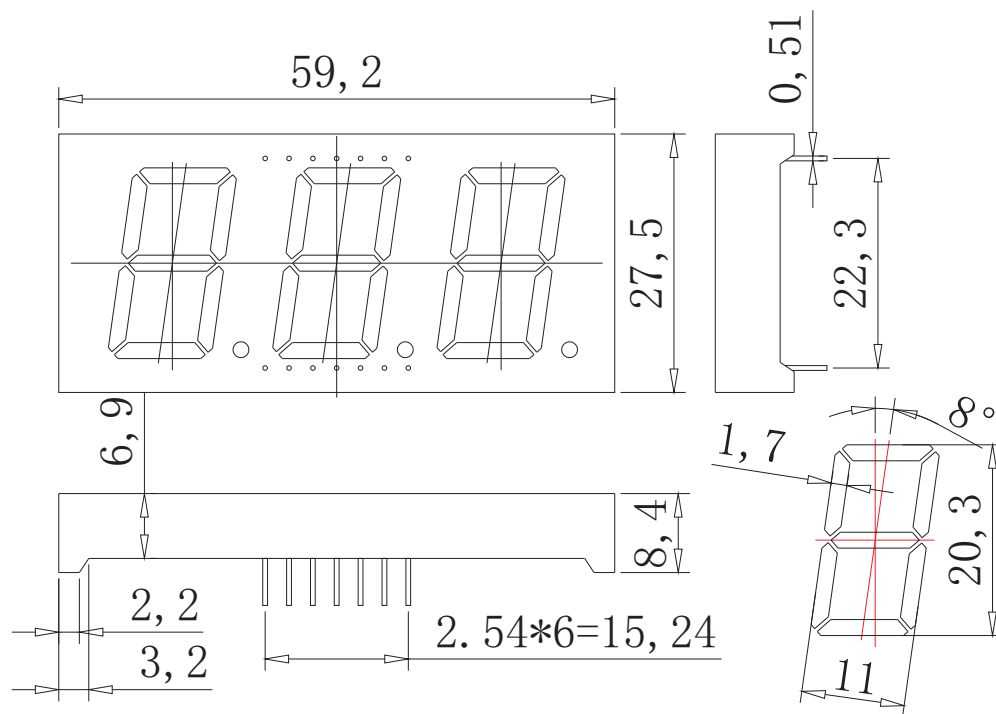
地 址: 中国上海市静安区江场一路45号增美都市工业园区9号楼



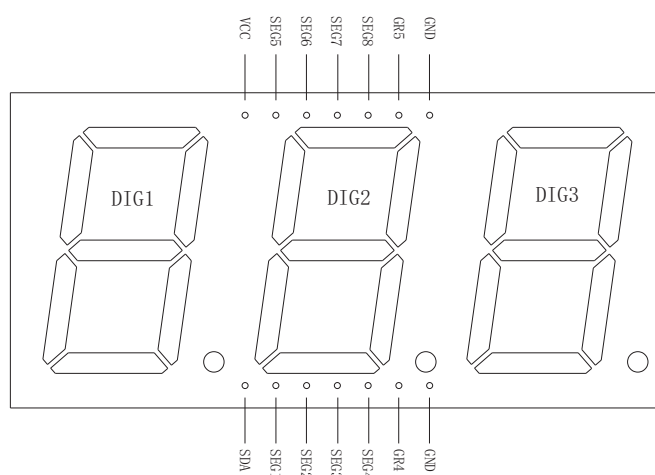
JCPAL 上海彩尚实业有限公司

## PACKAGE DIMENSION

JCP-8031BW-1652

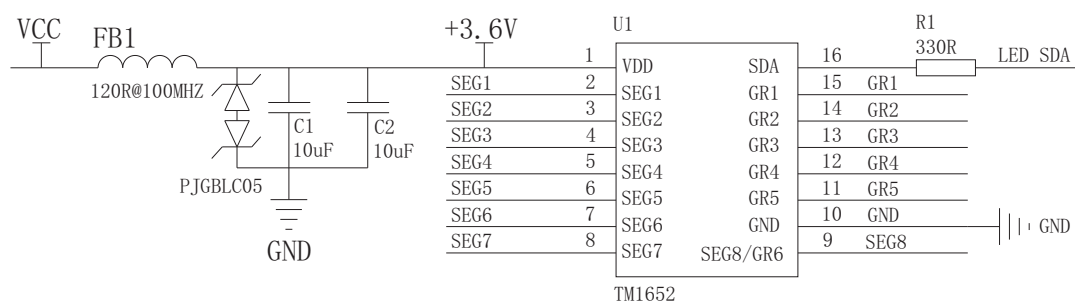


## INTERNAL CIRCUIT DIAGRAM

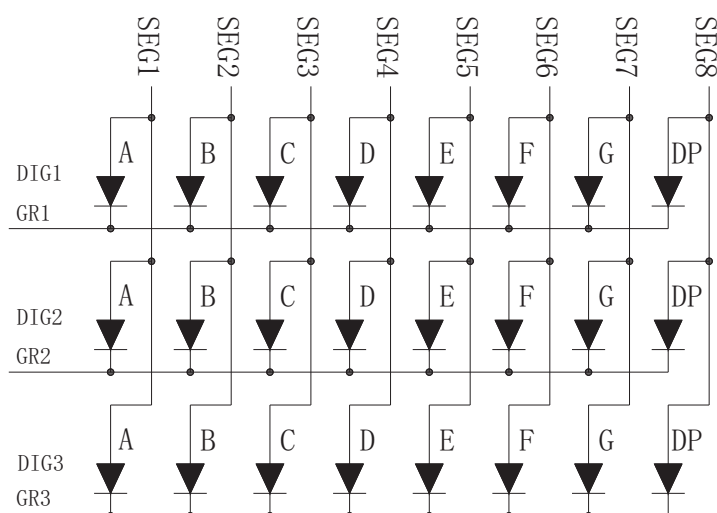


## PACKAGE DIMENSION

JCP-8031BW-1652



## INTERNAL CIRCUIT DIAGRAM





## Absolute Maximum Ratings(Ta=25°C)

|                             |                                      |
|-----------------------------|--------------------------------------|
| Reverse Voltage             | 5Volt                                |
| Reverse Current ( Vr=5V)    | 10 $\mu$ A                           |
| Operating Temperature Range | -40 °C~+85°C                         |
| Storage Temperature Range   | -40 °C~+100°C                        |
| Lead Sold Temperature       | (1.6 mm From Body)260°C For 3 second |

## Electro/Optical Characteristic( Ta=25°C)

### Optical Characteristic(ATTA=25°C)

| PARAMETER                  | SYMBAL          |     |       |     | UNIT                     | CONDITION |
|----------------------------|-----------------|-----|-------|-----|--------------------------|-----------|
|                            |                 | MIN | TYP   | MAX |                          |           |
| Forward boltage            | <b>VF</b>       | 2.8 |       | 3.1 | <b>V</b>                 | IF =20mA  |
| Peak emission wavelength   | <b>CCT</b>      |     | 50000 |     | <b>K</b>                 | IF =5mA   |
| Spectral line haif-w idth  | $\Delta\lambda$ |     | 8.9   |     | <b>nm</b>                | IF =20mA  |
| Average luminous Intensity | <b>IV</b>       |     | 250   |     | <b>Wcd</b>               | IF =20mA  |
| Reverse Current            | <b>IR</b>       |     |       | 10  | <b><math>\mu</math>a</b> | Vr=10mA   |
| Seg To SegL1. Ratio        | <b>IV-M</b>     |     | 1.5:1 |     |                          |           |

(25°C AMBIENT TEMPERATURE UNLESS OTHERWISE NOTED)

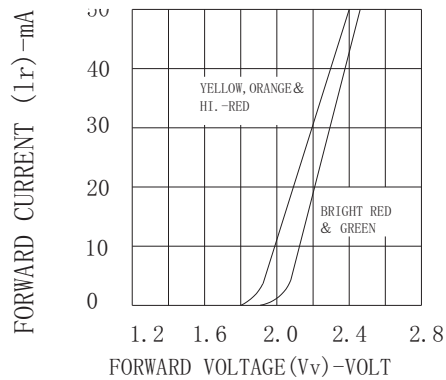


FIG. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE

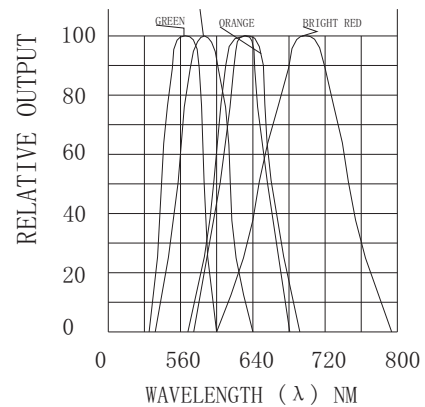


FIG. 2 SPECTRAL RESPONSE

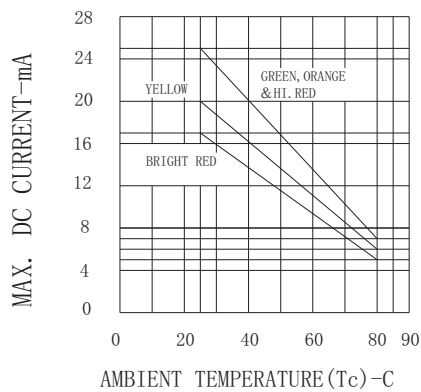


FIG. 4 MAX. ALLOWABLE DC CURRENT PRE SEG. Vs AMBIENT TEMPERATURE

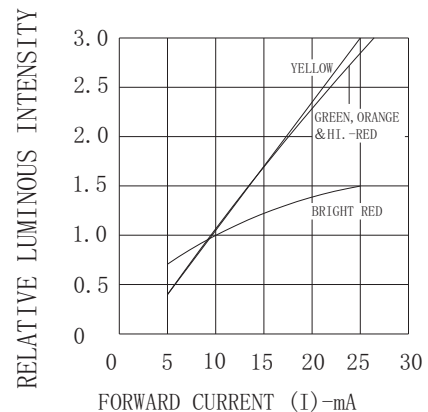


FIG. 3 RELATIVE LUMINOUS INTENSITY Vs FORWARD CURRENT (PER SEGMENT)

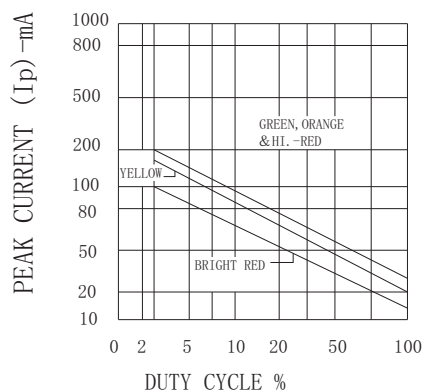


FIG. 5 MAX. PEAK CURRENT Vs DUTY CYCLE% (REFRESH RATE -F 1KHz)

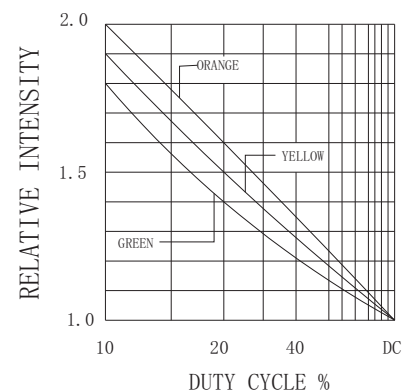


FIG. 6 LUMINOUS INTENSITY Vs DUTY CYCLE% (AVERAGE I=10mA PER SEG.)

## 物料BOM表

| 物料BOM表<br>MaterialName |           |                          | 单位<br>Unit | 供应商<br>Vendor |
|------------------------|-----------|--------------------------|------------|---------------|
| 1                      | 反射盖 (REF) | PP0                      | PCS        | 华大, 南化, 威利广   |
| 2                      | PCB线路板    | CEM3/FR4                 | PCS        | 华大, 南化, 威利广   |
| 3                      | 导针 (PIN)  | 铜包钢镀锡<br>0.51*10.28*0.72 | PCS        | 振鑫, 凯修        |
| 4                      | SMD0603   | 金板金线                     | PCS        | 三安, 圆融,       |
| 5                      | 环氧树脂      | 7002AB                   | g          | 惠利, 三通        |
| 6                      |           |                          |            |               |