

## 新品承认书

### NEW PRODUCT APPROVED

客户名称 (CUSTOMERS) \_\_\_\_\_

客户 P/N (CUSTOMER P/N) \_\_\_\_\_

升谱 P/N (SUNPU P/N) \_\_\_\_\_ NEPS-2830CY-G

产品说明 (DESCRIPTION) 0.28 英寸三位八 共阴 黄色显示

送样日期 (SAMPLE DATE) \_\_\_\_\_

|                                                            |                                             |                                       |                                       |
|------------------------------------------------------------|---------------------------------------------|---------------------------------------|---------------------------------------|
| 产品说明书<br>Specification <input checked="" type="checkbox"/> | 检验报告<br>INSPECTION <input type="checkbox"/> | 样品<br>SAMPLE <input type="checkbox"/> | 其它<br>OTHERS <input type="checkbox"/> |
| 核准 (APPROVED BY)                                           | 审核 (CHECKED BY)                             | 校对 (PROOFREAD BY)                     | 制作 (PREPARED BY)                      |
|                                                            |                                             |                                       |                                       |

#### 更改履历表

| 版本 Version | 日期 date | 描述 | 编制 Maker |
|------------|---------|----|----------|
|            |         |    |          |
|            |         |    |          |
|            |         |    |          |

#### 客 户 判 定 结 果 (CUSTOMER VERDICT)

|                                 |                                  |
|---------------------------------|----------------------------------|
| 承认(OK) <input type="checkbox"/> | 不承认(NG) <input type="checkbox"/> |
|---------------------------------|----------------------------------|

承认签名 (APPROVED BY):

承认时间 (APPROVED DATE):

改善意见 (IMPROVED ADVICE):

说明: 为了能更好的服务客户, 请及时回传以上信息

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

IN TIME

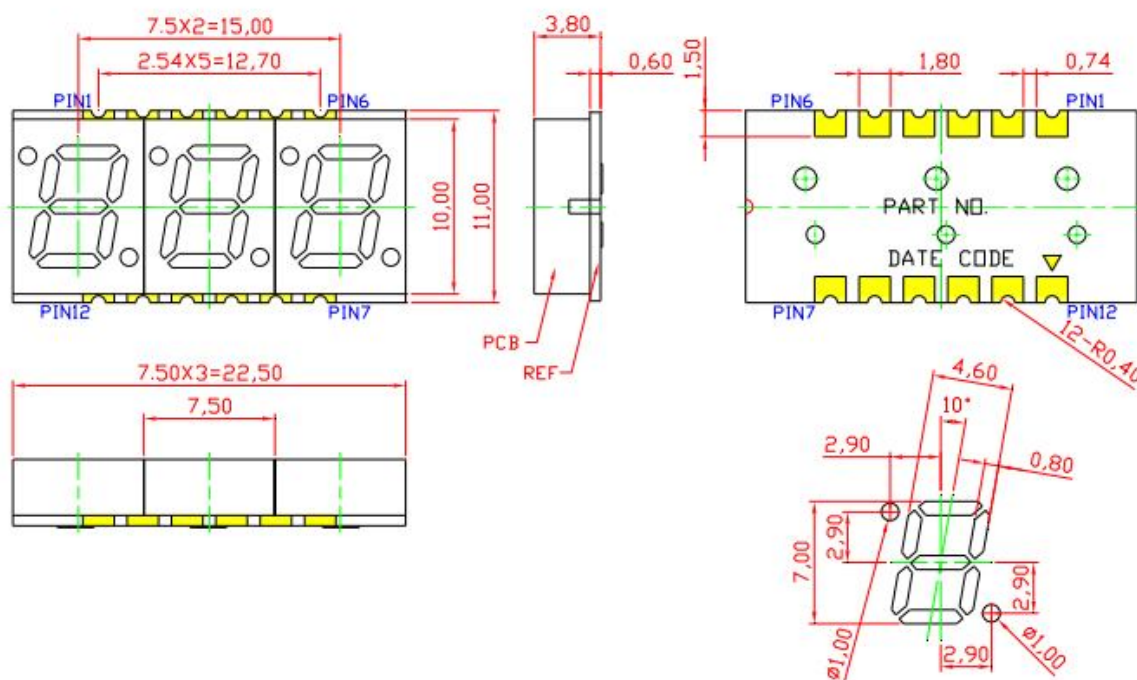
## 1.产品描述 DESCRIPTION:

- 灰色显示面, 白色笔段 Gray face, White Epoxy
- 共阴显示屏 Common Cathode Display
- 黄色显示, Yellow Color
- 符合 RoHS 要求 RoHS Compliant

## 2. 产品特征 FEATURES:

- 高可靠性和高稳定性 High intensity and reliability
- 高品质、和低功耗 High quality, Low power requirement
- IC 易兼容, 易装配 IC compatible , Easy assembly
- **ESD1000V**

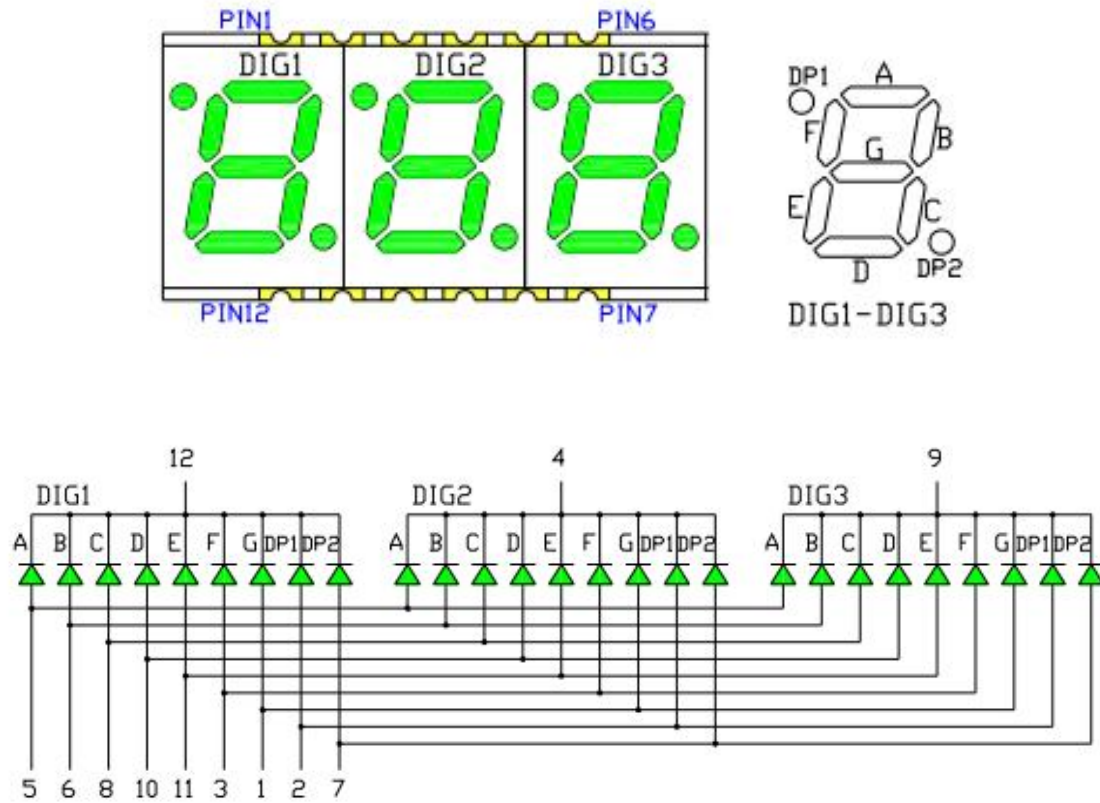
### 3. 产品外形尺寸 Outer Dimension:



备注：未标注公差的尺寸均为 $\pm 0.25\text{mm}$

NOTES: All dimensions are in millimeters (inches) tolerance are  $\pm 0.25\text{mm}(0.010)$  unless otherwise noted

#### 4. 产品线路图 INTERNAL CIRCUIT DIAGRAM



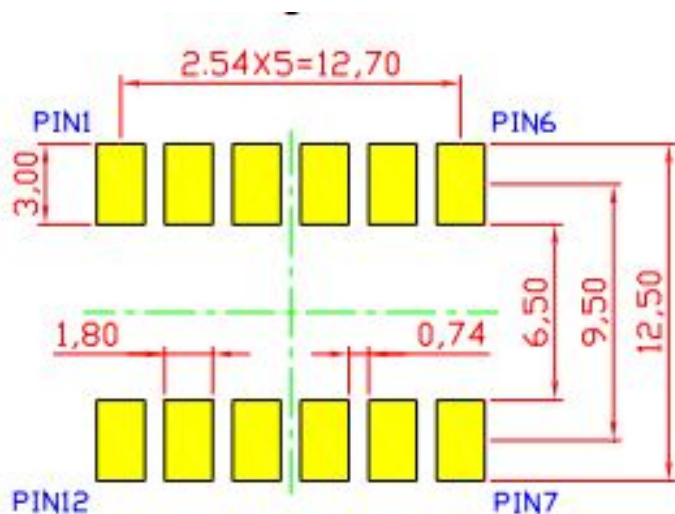
### 5、产品最大绝对参数值 (Ta: 25°C) ABSOLUTE MAXIMUM RATINGS AT Ta=25°C:

| 参数 (PARAMETER)                                                                | 最大值 Max.         | 单位 UNIT |
|-------------------------------------------------------------------------------|------------------|---------|
| 每段功耗 Power Dissipation Per Segment                                            | 52               | mW      |
| 每段峰值电流 Peak Forward Current Per Segment<br>(1/10duty cycle 0.1ms pulse width) | 100              | mA      |
| 每段平均正向电流 Average Forward Current Per Segment                                  | 20               | mA      |
| 从室温线性减少 Derating Linear From 25°C Per Segment                                 | 0.33             | mA/°C   |
| 每段反向电压 Reverse Voltage Per Segment                                            | 5                | V       |
| 工作条件温度 Operating Temperature Range                                            | -40°C to + 105°C |         |
| 储存温度 Storage Temperature Range                                                | -40°C to + 105°C |         |
| 距离胶体 1.6mm 焊接, 温度 260°C, 焊接时间最多 3 秒                                           |                  |         |
| Lead Soldering Temperature 260°C at 1.6mm From Body for 3 seconds             |                  |         |

### 6、产品光电参数值 (Ta: 25°C) ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

| 参数<br>PARAMETER                     | 符号<br>SYMBOL    | MIN. | TYP. | MAX. | UNIT    | 测试条件<br>Test condition |
|-------------------------------------|-----------------|------|------|------|---------|------------------------|
| 每段亮度 Luminous Intensity Per Segment | $I_v$           | —    | 5    | —    | mcd     | $I_F=10mA$             |
| 主波长 Dominant Wavelength             | $\lambda_d$     | —    | 590  | —    | nm      | $I_F=20mA$             |
| 光谱半宽度 Spectral Line Half-Width      | $\Delta\lambda$ | —    | 30   | —    | nm      | $I_F=20mA$             |
| 每颗正向电压 Forward Voltage Per Dice     | $V_F$           | —    | 2.0  | 2.6  | V       | $I_F=20mA$             |
| 每颗反向电流 Reverse Current Per Dice     | $I_R$           | —    | —    | 50   | $\mu A$ | $V_R=5V$               |

### 7、推荐使用的焊盘尺寸 Recommended Soldering Pattern:



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



NOTES:

1. We recommend the reflow temperature  $245^{\circ}\text{C} (+/-5^{\circ}\text{C})$ . 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.