



YETDA INDUSTRY LTD.

0.54" DUAL DIGIT ALPHANUMERIC WHITE LED DISPLAY

D-5424RW11

DESCRIPTION

- * 0.54" (13.60mm) Inch Digit Height.
- * High Bright White Display.
- * Black Face and White Segment Color.
- * Common Anode.

ABSOLUT MAXIMUM RATINGS AT Ta=25°C

| Parameter | | UNIT |
|-------------------------------|---|---------|
| Power Dissipation Per Seg. | 80 | Mw/chip |
| Peak Forward Current Per Seg. | 100 | mA |
| Forward current Per Seg. | 20 | mA |
| Reverse Voltage Per Seg. | 5 | V |
| Operation Temperature Range | -25°C TO +80°C | °C |
| Storage Temperature Range | -25°C TO +85°C | °C |
| Lead Soldering Temperature | 260°C for 3 seconds 1.6mm(1/16 inch) from body | |

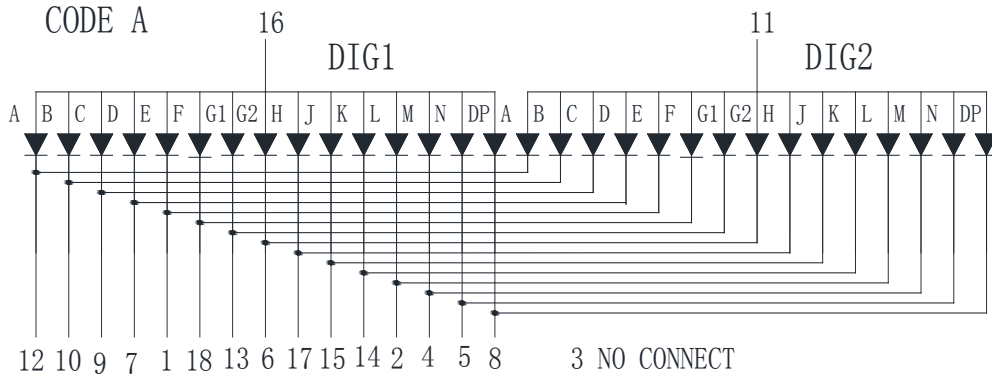
ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

| PARAMETER | SYMBOL | MIN. | TYP. | MAX. | UNIT | CONDITION |
|-----------------------------------|--------|-------|------|------|------|-----------|
| Average Luminous Intensity | Iv | 200 | | | mcd | If=10mA |
| Chromaticity Coordinate | X | 0.24 | 0.28 | 0.32 | | If=10mA |
| | Y | 0.24 | 0.28 | 0.32 | | |
| Forward Voltage Per Seg. & Dot | Vf | 2.8 | 3.2 | 3.6 | V | If=20mA |
| Reverse Current Per Seg. & Dot | Ir | | | 50 | uA | Vr=5V |
| Luminous Intensity Matching Ratio | Iv-m | 2 : 1 | | | | If=20mA |

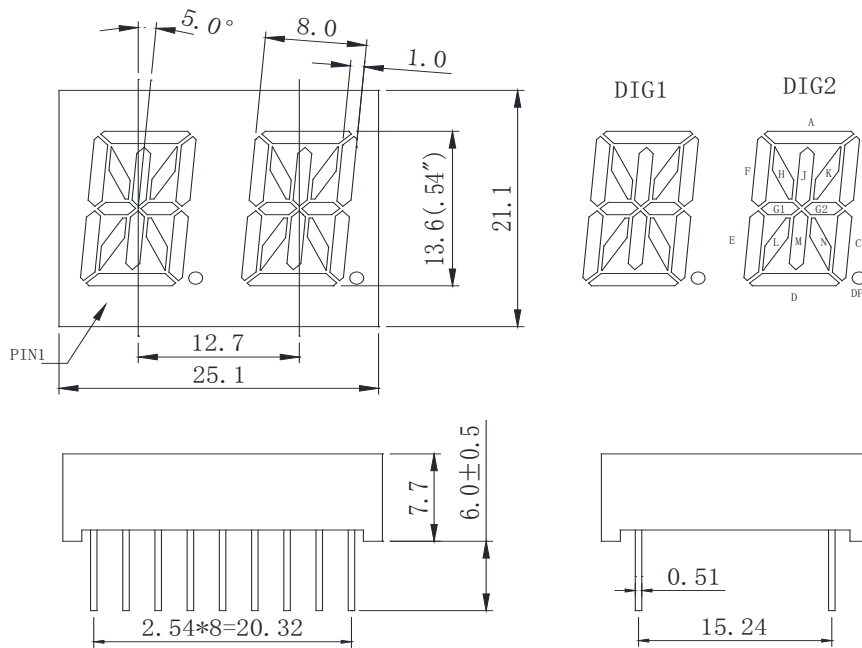


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P.C.B. Pin Connection



Reflector Dimensions



Unit:mm



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•Soldering:

1. Manual of soldering

The temperature of the iron tip should not be higher than 260 °C and

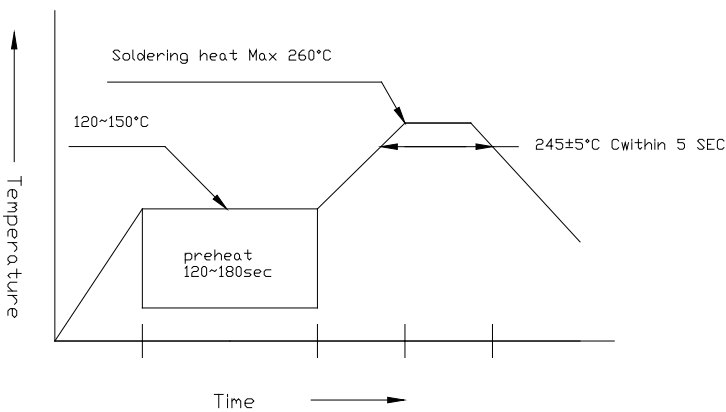
Soldering within 3 seconds per solder-land is to be observed

2. DIP soldering (Wave Soldering):

Preheating: 120

°C ~ 150°C within 5 sec. 260°C (Max)

Gradual Cooling (Avoid quenching)



3. Reflow Soldering

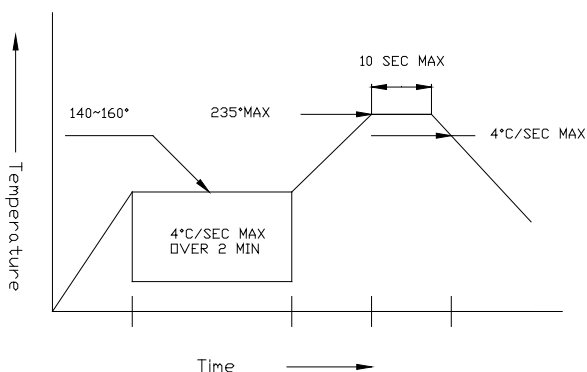
Preheating: 140

°C ~ 160°C ±5°C, within 2 minutes.

Operation heating: 235

°C (Max) within 10 seconds (Max)

Gradual Cooling (Avoid quenching)



•Handling:

Care must be taken not to cause to the epoxy resin portion of Yetda LEDS while it is exposed to high temperature.

Care must be taken not rub the epoxy resin portion of Yetda LEDS with hard or sharp article such as the sand blast and the metal hook