



# YETDA INDUSTRY LTD.

## 4" Single Digit Display

### S-40011ASK11

#### DESCRIPTION

- \* 4" (101.6mm) Inch Digit Height.
- \* Super Red Display.
- \* Black Face and White Dot Color.
- \* Common cathode.

#### ABSOLUT MAXIMUM RATINGS AT Ta=25°C

| Parameter  |                 | UNIT |
|--|-----------------|------|
| Power Dissipation Per Dot  | 40              | mW   |
| Peak Forward Current Per Dot   | 120             | mA   |
| Forward current Per Dot (Static)   | 15              | mA   |
| Reverse Voltage Per Dot  | 5               | V    |
| Operation Temperature Range  | -25°C TO +80°C  | °C   |
| Storage Temperature Range  | -25°C TO +100°C | °C   |
| Solder Temperature 1/16 Inch Below Seating<br>Plane For 5 Second At 260 °C |                 |      |

#### ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

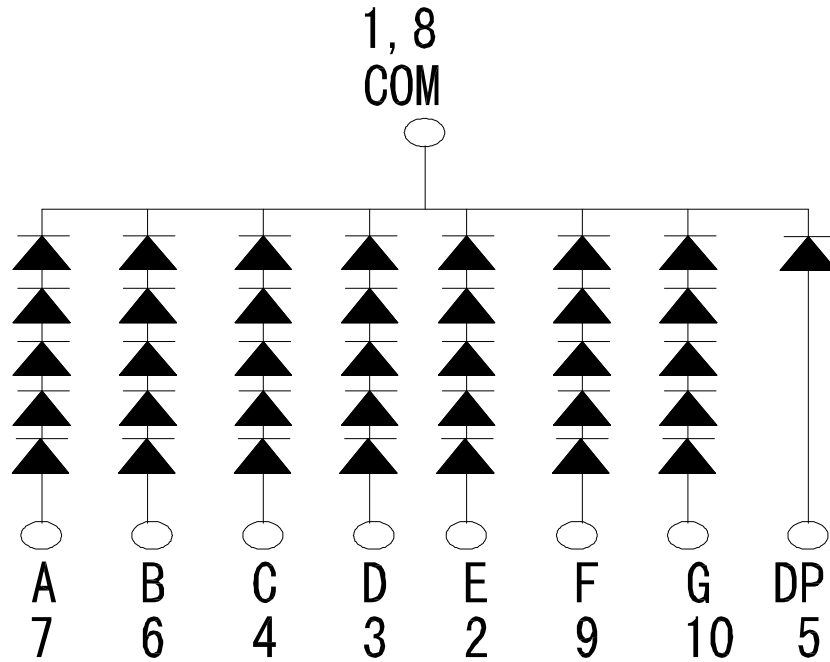
##### SUPER RED

| PARAMETER                         | SYMBOL      | MIN. | TYP. | MAX.  | UNIT | CONDITION |
|-----------------------------------|-------------|------|------|-------|------|-----------|
| Average Luminous Intensity        | Iv          | 4    | 12   |       | mcd  | If=20mA   |
| Peak Emission Wavelength          | $\lambda_p$ |      | 660  |       | nm   | If=20mA   |
| Forward Voltage Per Dot           | Vf          | 9    | 11   |       | V    | If=20mA   |
| Reverse Current Per Dot           | Ir          |      |      | 10    | uA   | Vr=5V     |
| Luminous Intensity Matching Ratio | Iv-m        |      |      | 2 : 1 |      | If=20mA   |

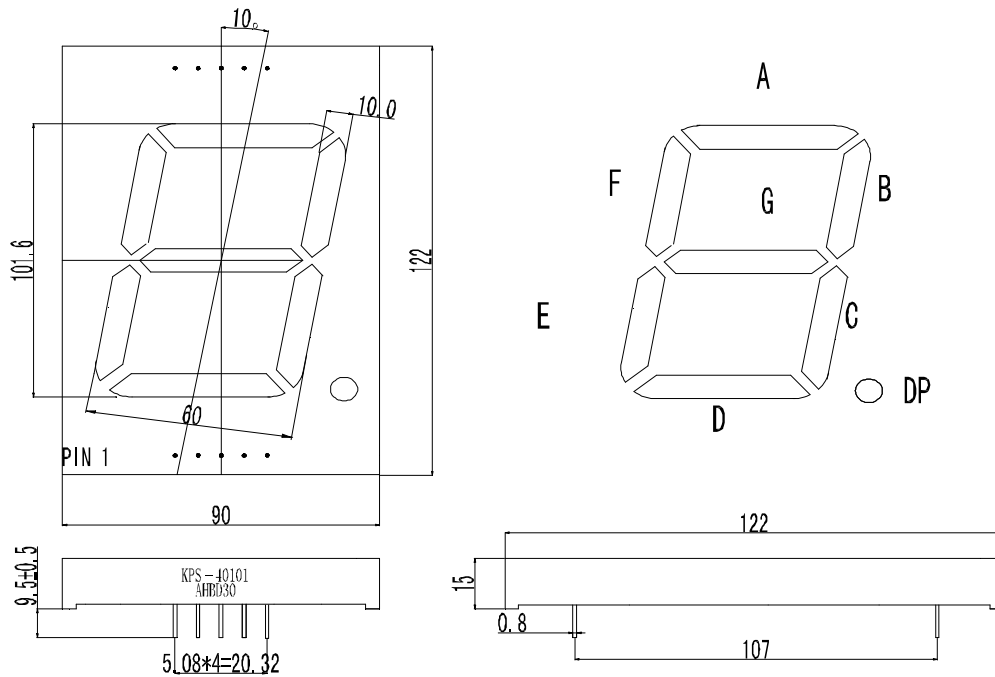


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### P.C.B. Pin Connection



### Reflector Dimensions





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## ■ Typical Electro-Optical Characteristic Curves:

RED

Fig1. Forward Current vs. Forward Voltage

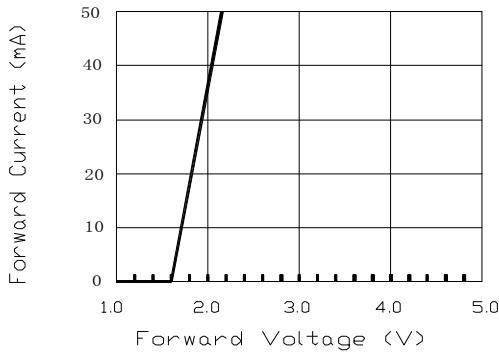


Fig2. Relative Intensity vs. Forward Current

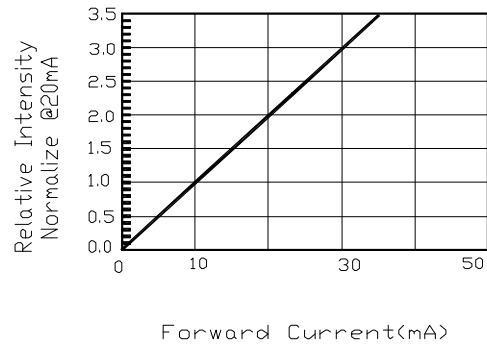


Fig3. Forward Voltage vs. Temperature

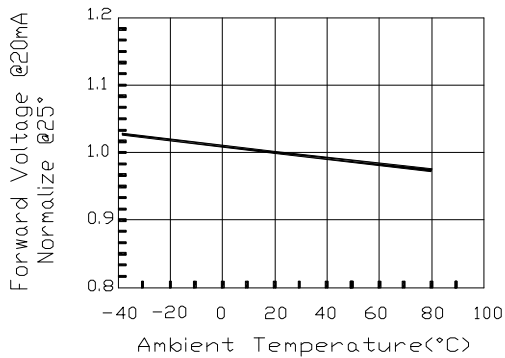


Fig4. Relative Intensity vs. Temperature

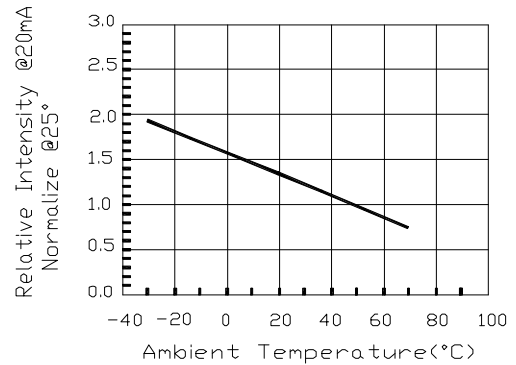


Fig5. Relative Intensity vs. Wavelength

