



NO. : QB/SPS 73 PS 1063A

# SPECIFICATIONS

**NAME: 1.5 inch DIGITAL DISPLAY**

**TYPE: LDS1151SRA**

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SHENZHEN CANDELA ELECTRONIC CO.,LTD.  
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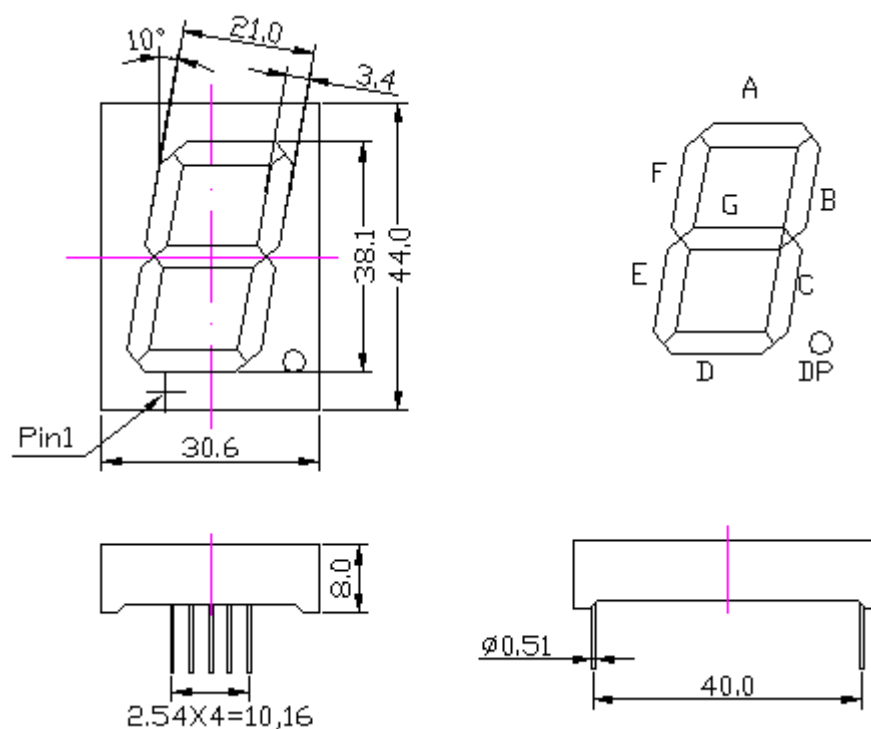
Fax:86-755-28631216

Post Code:518115

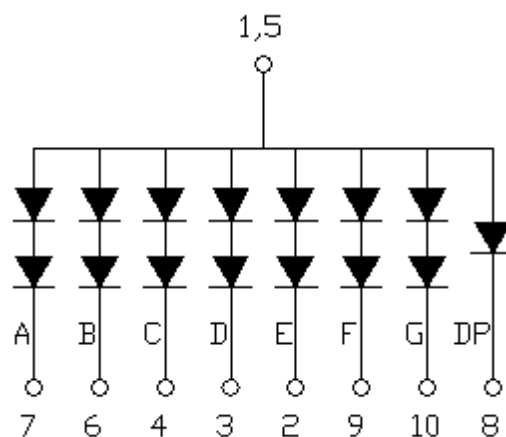
## LDS—1151SRA

**1. FEATURES**

- High intensity and reliability.
- Low power requirement
- I.C. compatible

**2. PACKAGE DIMENSIONS:****NOTES:**

All dimensions are in millimeters, tolerance are  $\pm 0.25$  mm unless otherwise noted.

**3. INTERNAL CIRCUIT DIAGRAM.**

**4. ABSOLUTE MAXIMUM RATINGS Ta=25°C**

| PARAMETER                                                               | Red    | Green | UNIT |
|-------------------------------------------------------------------------|--------|-------|------|
| Power dissipation per segment                                           | 60X2   |       | mw   |
| Peak forward current per segment*                                       | 80     |       | mA   |
| Continuous forward current per segment**                                | 15     |       | mA   |
| Reverse voltage per segment                                             | 10     |       | V    |
| Operating temperature range                                             | -35~80 |       | °C   |
| Storage temperature range                                               | -35~85 |       | °C   |
| Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C |        |       |      |

**NOTES:**

\* 1/10 duty cycle 10 mes pulse width

\*\* We advise average forward c urrent is 15mA

**5. ELECTRICAL/OPTICAL CHARACTERISTICS Ta=25°C**

| ITEM                        | SYMBOL              | CONDITION |         | RATING |        |     | UNIT    |
|-----------------------------|---------------------|-----------|---------|--------|--------|-----|---------|
|                             |                     |           |         | min    | typ    | max |         |
| Luminous Intensity          | IV                  | Red       | IF=20mA | —      | 9X2    | —   | mcd     |
|                             |                     | Green     |         | —      | —      | —   |         |
| Peak Emission Wavelength    | $\lambda P$         | Red       | IF=20mA | —      | 640    | —   | nm      |
|                             |                     | Green     |         | —      | —      | —   |         |
| Spectral Line Half-width    | $\triangle \lambda$ | Red       | IF=20mA | —      | 30     | —   | nm      |
|                             |                     | Green     |         | —      | —      | —   |         |
| Forward Voltage per segment | VF                  | Red       | IF=20mA | —      | 1.85X2 | —   | V       |
|                             |                     | Green     |         | —      | —      | —   |         |
| Reverse Current per segment | IR                  | Red       | VR=10V  | —      | —      | 50  | $\mu A$ |
|                             |                     | Green     | VR= V   | —      | —      | —   |         |

**6. CAUTIONS:**

- When being used, do not be over the corresponding limited scale and note in our specification.
- For some products with the static electricity mark, please operate refer to the rules of static electricity fence.
- When designing, please consider the factor of heat, and taking keep away measure to avoid high temperature.
- Do not clean the product with organic impregnant as some of them may damage the product.