

# LED DATA SHEET

|               |             |            |       |
|---------------|-------------|------------|-------|
| Part No.      | LSD051AG-10 |            |       |
| Emitted Color | Green       | Face Color | Black |

## Features:

0.50" single digit display / Chip material : GaP

Industrial standard size / Low power consumption and high reliable

Absolute Maximum Rating ( Ta=25 )

| Parameter                           | Symbol           | Max.     | Unit |
|-------------------------------------|------------------|----------|------|
| Power Dissipation /Segment          | P <sub>M</sub>   | 70       | Mw   |
| Peak Forward Current /Segment       | I <sub>FP</sub>  | 80       | mA   |
| Continuous Forward Current /Segment | I <sub>F</sub>   | 25       | mA   |
| Reverse Voltage /Segment            | V <sub>R</sub>   | 6        | V    |
| Operating Temperature Range         | T <sub>opr</sub> | -20 ~ 70 |      |
| Storage Temperature Range           | T <sub>stg</sub> | -20 ~ 85 |      |

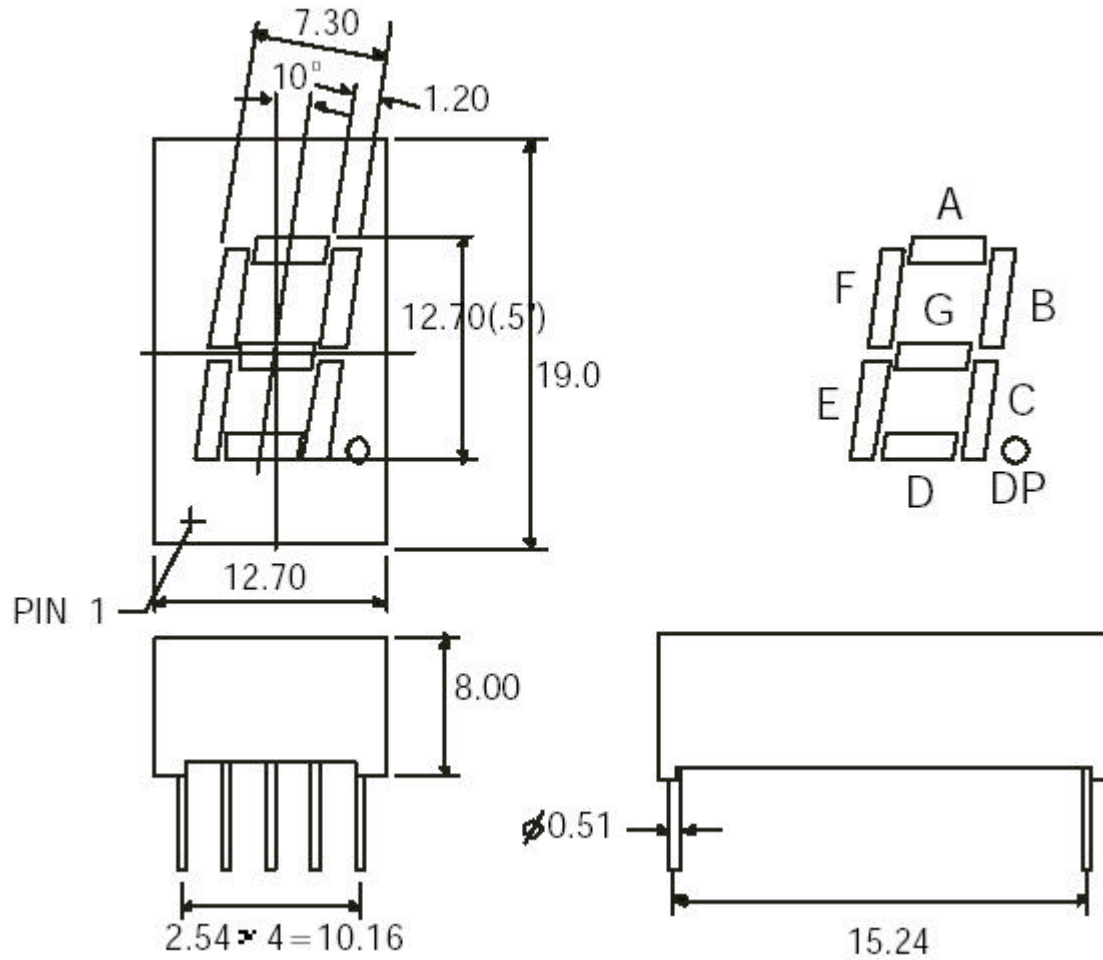
Solder Temperature: 2mm From Body For 3 Seconds at 260

## Electrical Optical Characteristics ( Ta=25 )

| Parameter                   | Symbol         | Min. | Typ. | Max. | Unit | Test Condition       |
|-----------------------------|----------------|------|------|------|------|----------------------|
| Luminous Intensity /Segment | I <sub>V</sub> | --   | 1.0  | --   | mcd  | I <sub>F</sub> =10mA |
| Forward Voltage /Segment    | V <sub>F</sub> | --   | 2.2  | 2.5  | V    | I <sub>F</sub> =20mA |
| Reverse Current /Segment    | I <sub>R</sub> | --   |      | 50   | uA   | V <sub>R</sub> =5V   |
| Peak Emission Wavelength    | λ <sub>P</sub> | --   | 570  | --   | nm   | I <sub>F</sub> =20mA |
| Spectral Line Half Width    | Δ λ            | --   | 25   | --   | nm   | I <sub>F</sub> =20mA |

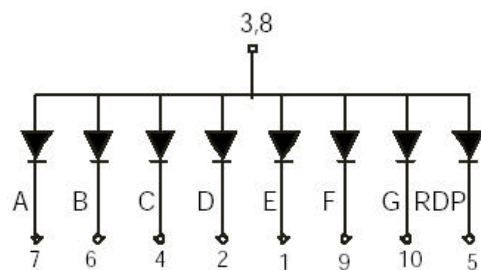
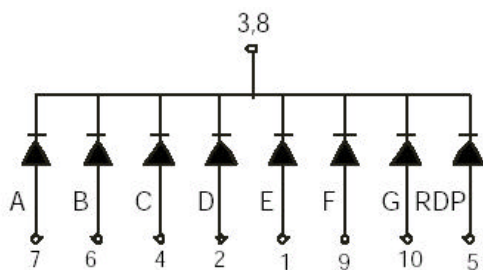
|          |             |                                                           |                  |
|----------|-------------|-----------------------------------------------------------|------------------|
| Part No. | LSD051AG-10 | Edition Data: 2002 -12 -20                                | Page: 1 of 2     |
|          |             | <a href="http://www.wenrun.com">http://www.wenrun.com</a> | Fax:0511-5512860 |

Package Dimensions:



LSD051AG-10

LSD051BG-10



Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted