

# LED

## DATA SHEET

|               |              |            |       |
|---------------|--------------|------------|-------|
| Part No.      | LSD043BSR-10 |            |       |
| Emitted Color | High Red     | Face Color | Black |

### Features:

0.43" single digit display / Chip material : GaAlAs

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>   | 50       | Mw   |
| Peak Forward Current /Segment       | I <sub>FP</sub>  | 60       | mA   |
| Continuous Forward Current /Segment | I <sub>F</sub>   | 20       | 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 |      |

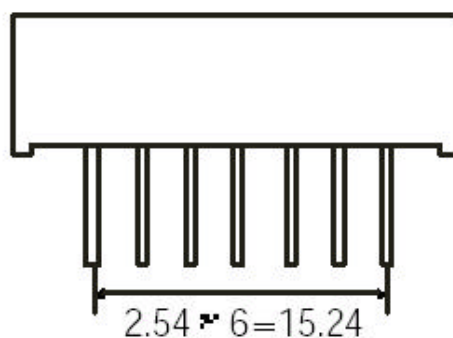
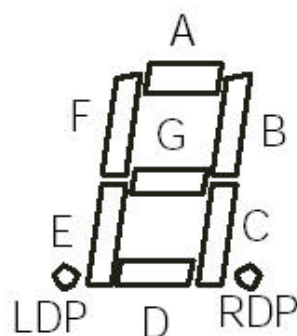
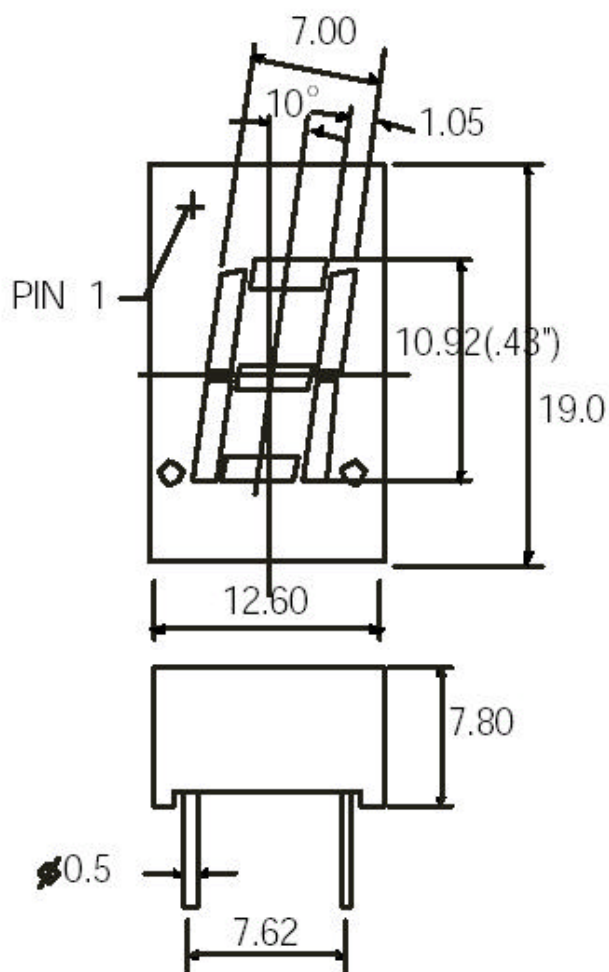
Solder Temperature: 2mm From Body For 3 Seconds at 260

### Electrical Optical Characteristics ( Ta=25 )

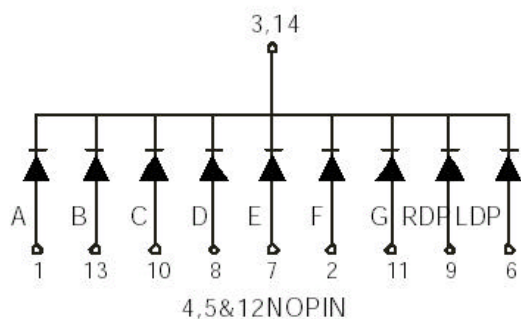
| Parameter                   | Symbol         | Min. | Typ. | Max. | Unit | Test Condition       |
|-----------------------------|----------------|------|------|------|------|----------------------|
| Luminous Intensity /Segment | I <sub>V</sub> | --   | 2.5  | --   | mcd  | I <sub>F</sub> =10mA |
| Forward Voltage /Segment    | V <sub>F</sub> | --   | 1.8  | 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> | --   | 655  | --   | nm   | I <sub>F</sub> =20mA |
| Spectral Line Half Width    | Δ λ            | --   | 20   | --   | nm   | I <sub>F</sub> =20mA |

|                                                                            |              |                            |              |
|----------------------------------------------------------------------------|--------------|----------------------------|--------------|
| Part No.                                                                   | LSD043BSR-10 | Edition Data: 2002 -12 -20 | Page: 1 of 2 |
| <a href="http://www.wenrun.com">http://www.wenrun.com</a> Fax:0511-5512860 |              |                            |              |

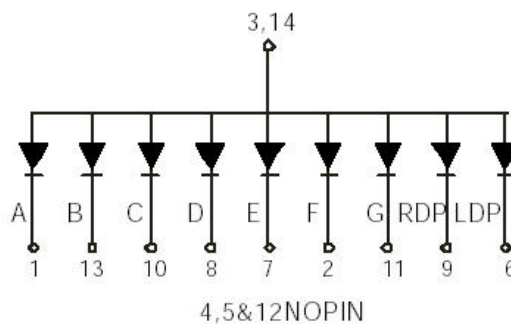
# Package Dimensions:



## LSD043ASR-10



## LSD043BSR-10



### Note:

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