

深圳市昱申科技有限公司

CHINA YOUNG SUN LED TECHNOLOGY CO., LTD.

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Model No.: YSD-1100AR7B-15

Applications:

- Moving Message Display
- Full Color Display
- Banking Board
- Score Boards
- Digital Display

LED Chip Absolute Maximum Ratings: (Ta=25℃)

| Itemes | Symbol | Absolute Maximum Rating | Unit |
|---|------------------|-------------------------|------|
| Forward current | I _F | 20 | mA |
| Peak forward current (Duty Cycle=1/10, 10KHz) | I _{PF} | 30 | mA |
| Reverse Current (V _R =5V) | I _R | 10 | μ A |
| Operating temp | T _{OPR} | -25 - 85 | ℃ |
| Storage temp | T _{STG} | -30-85 | ℃ |
| Peak Emission Wavelength | λ _{PH} | 644 | nm |

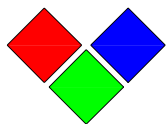
* Soldering Bath: not more than 5 seconds @260℃. The bottom ends of the plastic reflector should be at least 2mm above the solder surface

Soldering Iron: not more than 3 seconds @300℃ under 30W

LED Chip Typical Electircal & Optical Characteristics: (Ta=25℃)

| ITEMS | Symbol | Condition | Min. | Typ. | Max. | Unit |
|------------------------------------|----------------|----------------------|-----------------|------|------|------|
| Forward Voltage | V _F | I _F =20mA | 11.6 | 12 | 12.4 | V |
| Luminous Intensity | I _v | I _F =20mA | 200 | | 300 | mcd |
| Wavelength | Δ λ | I _F =20mA | 640 | 642 | 644 | nm |
| Light Degradation after 1000 hours | | | -4.68% ~ -8.27% | | | |

Address: 5/F, Building B, Anzhilong Indl., Qinghua East Road., Longhua Town, Shenzhen CHINA. 518109



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Mechanical Dimensions:

☐ All dimension are in mm, tolerance is $\pm 0.2\text{mm}$ unless otherwise noted

☐ An epoxy meniscus may extend about 1.5mm down the leads.

Unit: mm

