

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 °C)

Itemes	Symbol	Absolute Maximum Rating	Unit
Forward current	I <sub>F</sub>	20	mA
Peak forward current (Duty Cycle=1/10, 10KHz)	I <sub>PF</sub>	30	mA
Reverse Current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	μA
Operating temp	T <sub>OPR</sub>	-25 - 85	°C
Storage temp	T <sub>STG</sub>	-30-85	°C
Peak Emission Wavelength	λ <sub>PH</sub>	644	nm

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

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

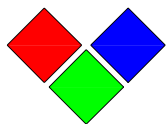
LED Chip Typical Electircal & Optical Characteristics: (Ta=25 °C)

ITEMS	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	11.6	12	12.4	V
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =20mA	200		300	mcd
Wavelength	Δλ	I <sub>F</sub> =20mA	640	642	644	nm
Light Degradation after 1000 hours			-4.68% ~ -8.27%			

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ONE HUNDRED LED  
PERFECT LED



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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

