深 圳 市 昱 申 科 技 有 限 公 司
CHINA YOUNG SUN LED TECHNOLOGY CO., LTD.
TEL: (86) 755-28079401 28079402 28079403 28079404 28079405
FAX: (86) 755-28079407 E-mail: info@100LED.com Web: www.100LED.com

Model No.: YSLB-10251G5-10

Applications:

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

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

Pararmeter	Symbol	GREEN	Unit
Forward curret	I_F	20	mA
Peak forward current (Duty Cycle=$\frac{1}{10}$, 10KHz)	I_{PF}	30	mA
Reverse voltage (V_R= 5V)	I_R	10	μA
Operating temp	T_{OPR}	-25 - 85	℃
Storage temp	T_{STG}	-30 - 85	℃
Peak Emission Wavelenength	λ_{PH}	527.5	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 Chara Qeristics: (Ta=25 ℃)

ITEMS	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F= 20mA	3.2	3.4	3.6	V
Luminous Intensity	I_V	I_F= 20mA	50	55	60	mcd
Wavelenength	$\Delta\lambda$	I_F= 20mA	525	----	527.5	nm
Light Degradation after 1000 hours		-4.68% ~ -8.27%				

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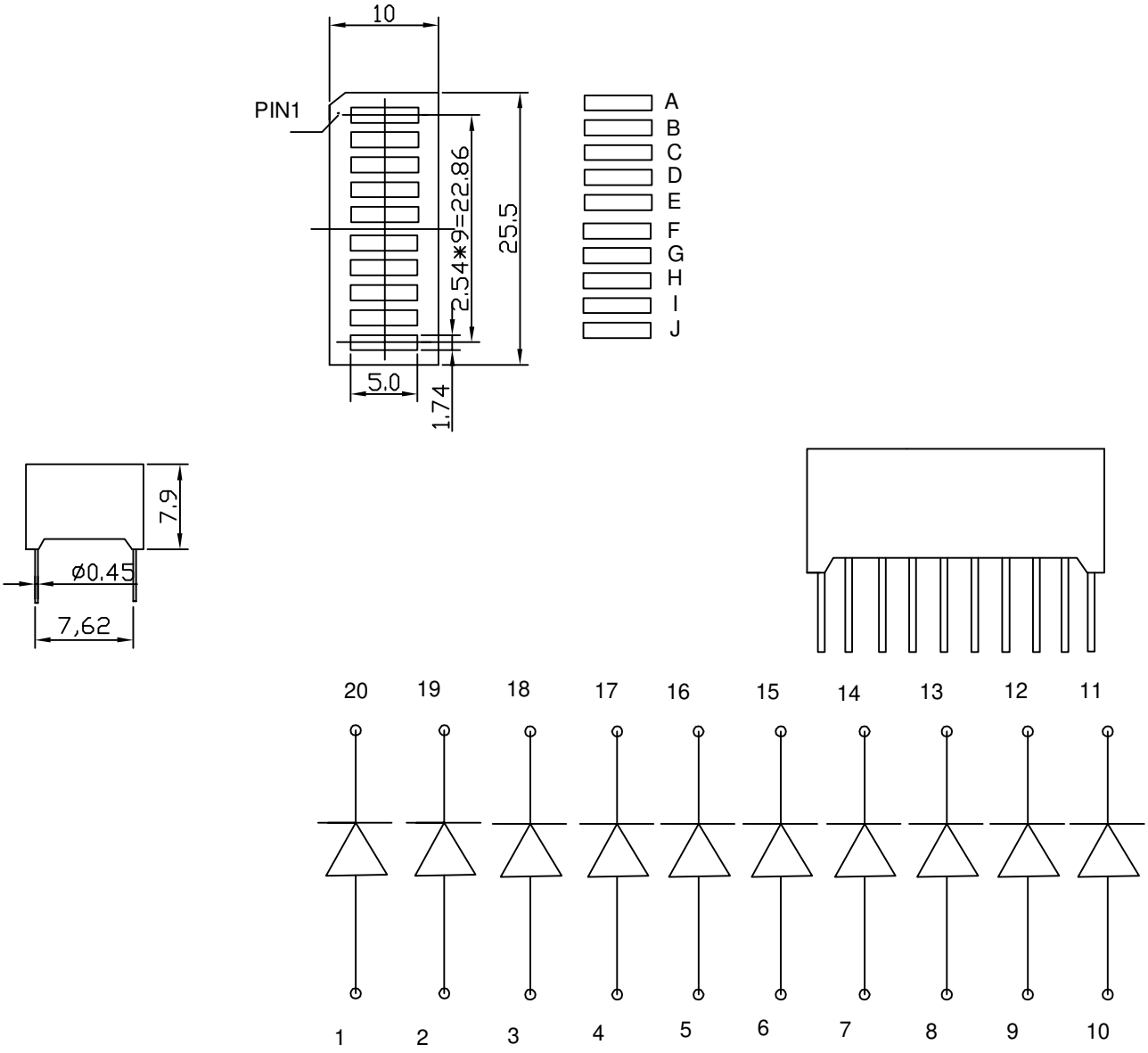
Mechanical Dimensions:

. All dimension are in mm, tolerance is ±0.2mm unless otherwise noted
. An epoxy meniscus may extend about 1.5mm down the leads.



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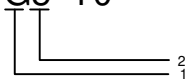
Code System:

YSLB-102510G5-10



. 1. Color:

R: Red A: Amber K: Kelly Y: Yellow
G: Green C: Cyan P: Purple W: White

. 2. Wavelength or Color Temperature Range:

R1: 620-625nm	K1: 565-570nm	C1: 495-497.5nm	B3: 460-462.5nm	P1: 375-380nm
R2: 625-630nm	K2: 570-573nm	C2: 497.5-500nm	B4: 462.5-465nm	P2: 390-395nm
R3: 630-635nm	G1: 515-517.5nm	C3: 500-502.5nm	B5: 465-467.5nm	P3: 395-400nm
R4: 635-640nm	G2: 517.5-520nm	C4: 502.5-505nm	B6: 467.5-470nm	P4: 400-405nm
R5: 640-645nm	G3: 520-522.5nm	C5: 505-507.5nm	B7: 470-472.5nm	P5: 405-410nm
A1: 600-605nm	G4: 522.5-525nm	C6: 507.5-510nm	B8: 472.5-475nm	W1: 9000-11000
A2: 605-610nm	G5: 525-527.5nm	C7: 510-512.5nm		W2: 6000-8000K
Y1: 584-587nm	G6: 527.5-530nm	C8: 512.5-515nm		W3: 2700-4000K
Y2: 587-590nm	G7: 530-532.5nm	B1: 455-457.5nm		
Y3: 590-593nm	G8: 532.5-535nm	B2: 457.5-460nm		

Warrantee:

. 3 years warrantee for our red, yellow, amber and kelly items based on no more than hours continously lighting per day.

. 2 years warrantee for our Blue, Green, Cyan and Purple items based on no more thar hours continously lighting per day.

. 1 years warrantee for our Cool White, Pure White and Warm White items based on nc more than 8 hours continously lighting per day.

. Electrical & Optical Characteristics consistency of same items all shippments.

Notes:

. Please use Digital Display based on our datasheet.

. Digital Display is senstive to satics, be sure your equipments are anti-static when you use our Dot Matrixs.

. Pay more attention to your heat dissipation system when you use it, the better heat dissipation, the longer Digital Display lifespan.