



# Specification For Approval

Customer name: \_\_\_\_\_

Product name: 10\*10Blue square light

Product model: RE-L-1010ZB-2B-W-1

Date: 2023-3-10

Approved by	
Sign:	date:
Please return by one copy	

## NINGBO RHT ELECTRONIC CO.,LTD

Design: COCO      Checked: Jeff      Approved: kenny

Tel: 86-574-56176016

E-mail:info@rhtecp.com

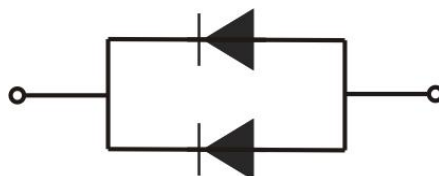
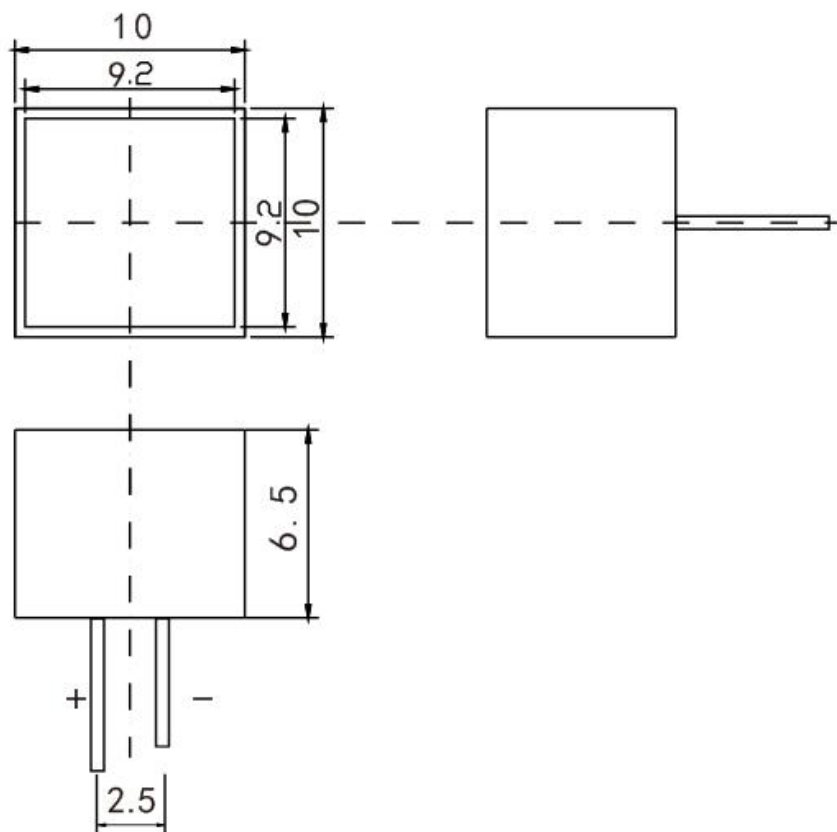


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● **Specification description:**

line	polarity	Luminous color	Total points	Surface color	Colloid color	Remarks
2 union	non-polarity	blue	2	white	white	

● **Dimensions and pin functions: (L x W x H) 10.0 X10.0 X 6.5 (mm)**



**Note:** All dimensions in the figure are mm; The size error range of the unmarked error range is  $\pm 0.25$ mm. The marked side is the positive pole.



● **Luminescent photoelectric parameter (Ta=25°C):**

Performance parameter	Symbol	Test condition	Min	Typical value	Max	unit
Forward voltage	Vf	20mA	_____	2.9	_____	V
Reverse current	Ir	VF=5V	_____	_____	10	uA
Luminous intensity	Iv	20mA	95	_____	100	mcd
Main wavelength	λ	20mA	_____	470	_____	nm

● **Limit parameter (Ta=25°C)**

parameter	symbol	Min	Max	unit
Forward pulse current *	Ifp	_____	70	mA
Forward pulse current *	Vr	_____	5	V
Operating temperature	Topr	-20	80	°C
Storage temperature	Tstg	-25	85	°C
Power consumption	Pd	_____	75	mW

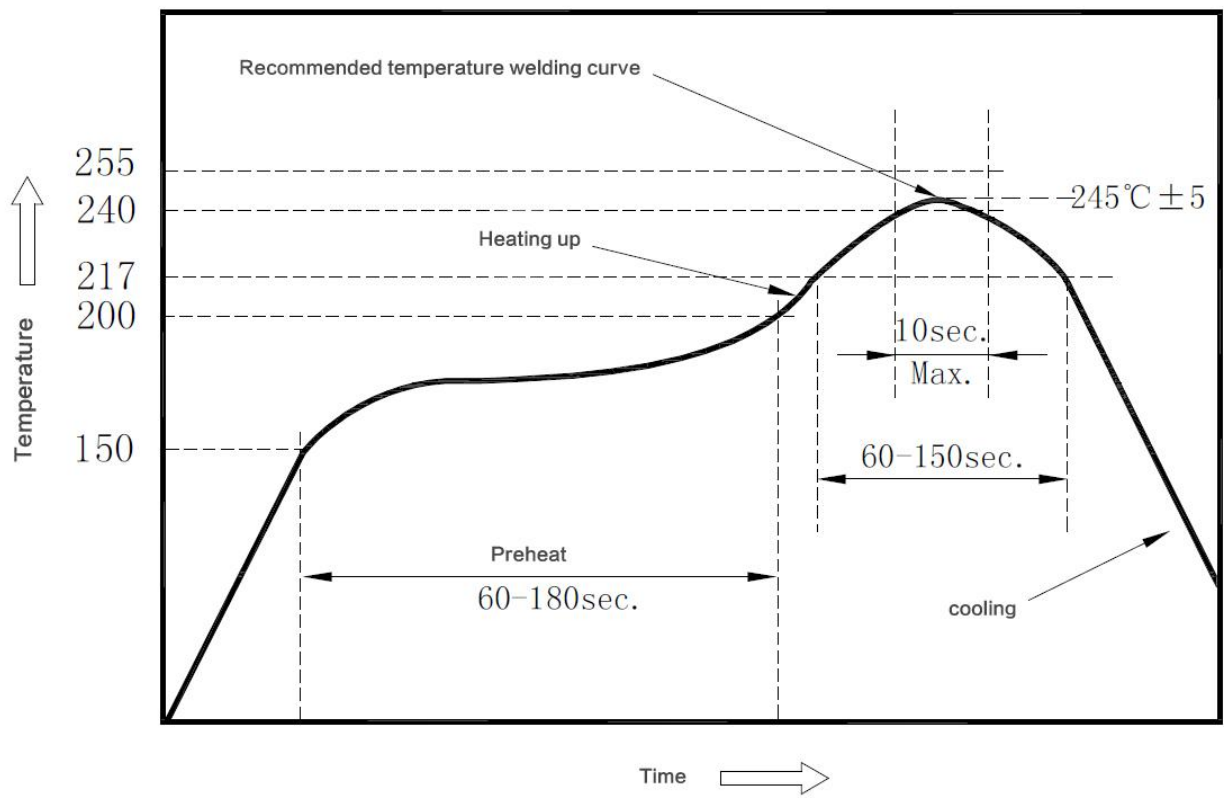
\* Note: Pulse width :10ms duty cycle 1/10

● **Storage and transportation:**

- ① Square lamp for electronic products should do moisture-proof work.
- ② Transport or transfer, to minimize mechanical vibration and impact; When handling should be handled lightly, stacked when not stacked too high, also do not put too heavy items on the top so as not to crush the LED.
- ③ The square lamp is an electrostatic sensitive device. When the printed circuit board with a static inductance device is installed or the whole machine is stored, anti-static measures should also be taken.

- Digital welding condition:

- ① Soldering iron welding: the tip temperature of the soldering iron (up to 60W) does not exceed 260°C; Welding time should not exceed 3 seconds;
- ② Wave crest welding: the maximum temperature is not more than 260°C; Reflux operation shall not exceed 2 times;



- Clean:

Special care must be taken when cleaning colloid with chemicals, because some chemicals damage the surface of the colloid and cause fading, such as trichloroethylene, acetone, etc. Alcohol can be used to wipe, impregnation, the time at room temperature is not more than 3 minutes.

- Use notes: (recommended constant current use, constant voltage control will appear uneven brightness phenomenon)

- ① When in use, the current and voltage must be correct.
- ② Products should not be stored and used under corrosive gases, and should not be exposed to air for too long, otherwise it will lead to oxidation.
- ③ All equipment and instruments in contact with square lamps must be grounded.
- ④ Wear an ESD wrist strap or ESD gloves before handling a square lamp. Because the human body discharge mode HBM<1000V; Machine discharge mode <100V.
- ⑤ Square lamp has been damaged by static electricity, will show some undesirable characteristics, such as leakage current increase, static forward voltage rise, low current test is not bright or abnormal light, shortened service life