Product specification

Specification For Approval

Name of Customer:

Name of Product:

Product model: RE-L-3101BU2B

DATE: 16/12/2022

Approved by
Sign: date:
Please return by one copy

NINGBO RHT ELECTRONIC CO.,LTD

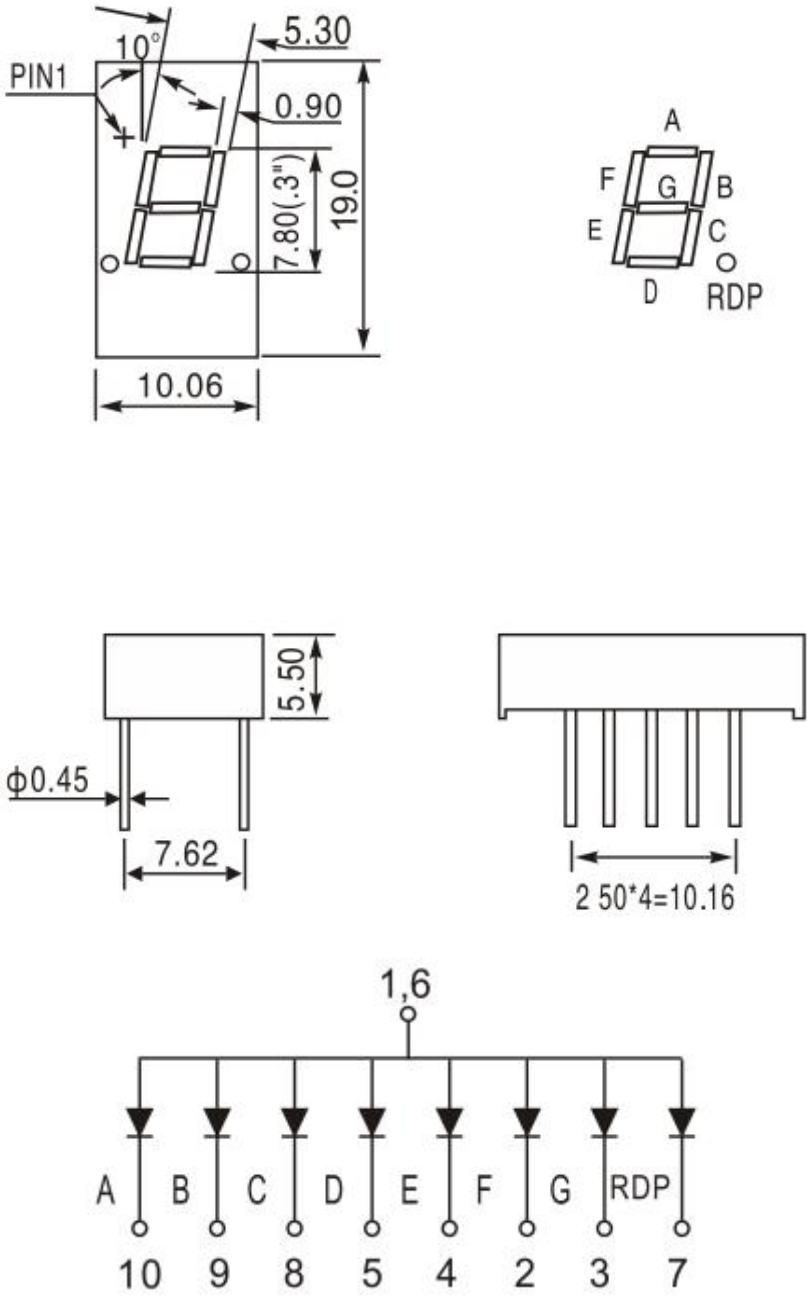
Design: _____ Checked: _____ Approved: _____

电话： 86-574-56176016 E-mail:info@rhtecp.com

- **Specification Description：**

Figure 8 height	Digits	Polarity	Color of light	Total number of points	Color of surface	Color of colloid	Note
0.3"	1	A total of Yang	Red	8	Black	White	

- **Overall dimensions and pin functions: (length x width x height)**10.06 X 19.0 X 5.5（mm）



Note: All dimensions in the figure are in mm; The size error margin not indicated is ±0.25mm；

- **Photoelectric parameters of luminescent body（Ta=25℃）:**

Performance Parameters	Symbol	Test conditions	Minimum value	Typical value	Maximum value	unit
Forward voltage	Vf	20mA	_____	2.1	_____	V
Reverse current flow	Ir	VF=5V	_____	_____	10	uA
Luminescent light intensity	Iv	20mA	100	_____	120	mcd
Main wavelength	λ	20mA	_____	623	_____	nm

- **Limit limit parameter（Ta=25℃）**

Parameter	Symbol	Minimum value	Maximum value	Unit
Forward pulse current *	Ifp	_____	70	mA
Reverse voltage	Vr	_____	5	V
Operating temperature	Topr	-20	80	℃
Temperature of storage	Tstg	-25	85	℃
Power consumption	Pd	_____	75	mW

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

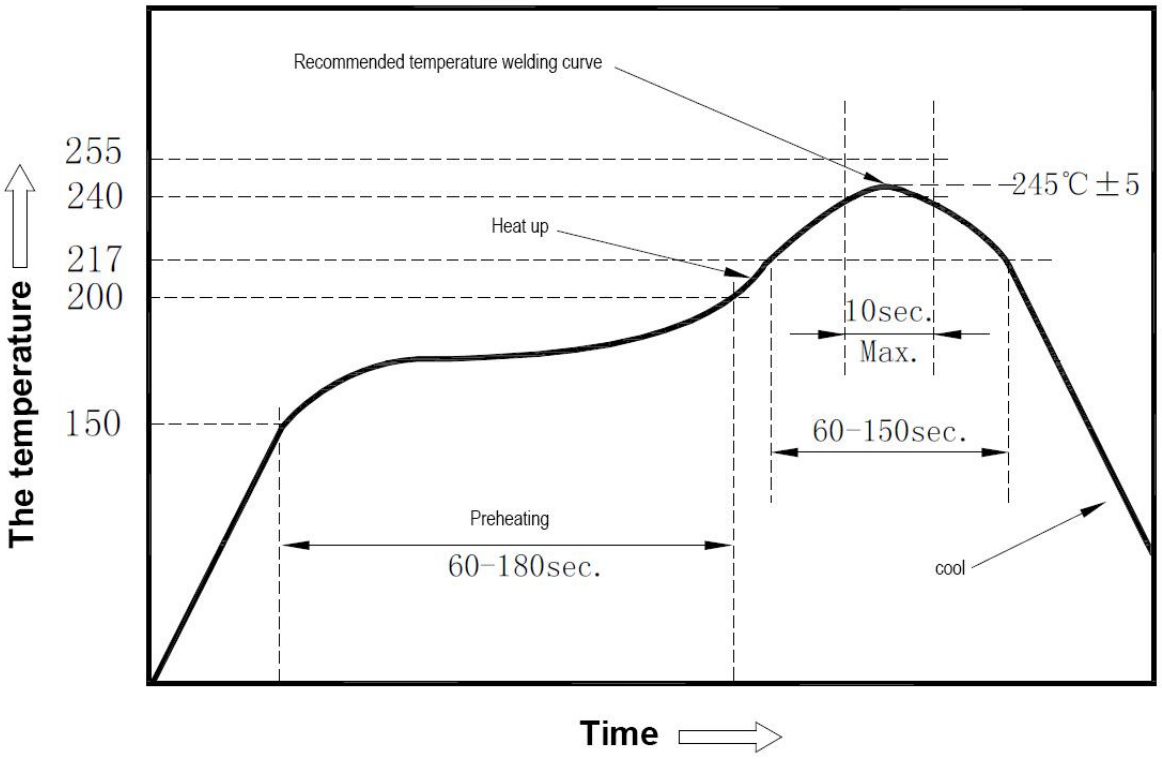
- Storage and Transportation:

① Digital electronic products should be well protected from moisture。

② Transport or transfer, to minimize mechanical vibration and impact; In handling should be handled lightly, stacked when not stacked too high, also do not put heavy items on the top so as not to crush the LED。

③ Digital is electrostatic sensitive device, installed with static inductance device printed circuit board or whole storage, also should take ESD measures。

- Digital welding conditions:
  - ① **Soldering iron welding: the tip temperature of soldering iron (up to 60W) does not exceed 260℃; Welding time should not exceed 3 seconds;**
  - ② Wave crest welding: the maximum temperature is not more than 260℃; The reflux process shall not exceed 2 times;



- Cleaning:

Special care must be taken when cleaning colloid with chemicals, because some chemicals damage the colloid surface 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。

- Note for use: (Constant current is recommended, constant voltage control will cause uneven brightness phenomenon)
  - ① When used, the current and voltage must be correct。
  - ②Products should not be stored and used in corrosive gases, and exposed to air for too long, otherwise it will lead to oxidation。
  - ③All digital contact equipment and instruments must be grounded。
  - ④Wear an ESD wrist strap or ESD gloves when handling digital devices. Because the human body discharge mode HBM<1000V; The discharge mode of the machine is <100V。
  - ⑤Digital has been damaged by static electricity, will show some undesirable characteristics, such as leakage current increase, static downstream voltage rise, low current test is not bright or abnormal light, shortened service life。