



YETDA INDUSTRY LTD.

2x5mm Tri- Color Led Lamps 620RGB4E-CA

*2x5mm with Red and Blue and Pure Green Dice ◦

*Encapsulated with water clear Package ◦

*Common Anode ◦

Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Current	100	mA
Continuous Forward Current	20	mA
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature	260	°C for 3 second 1.6mm(0.063 inch) from body

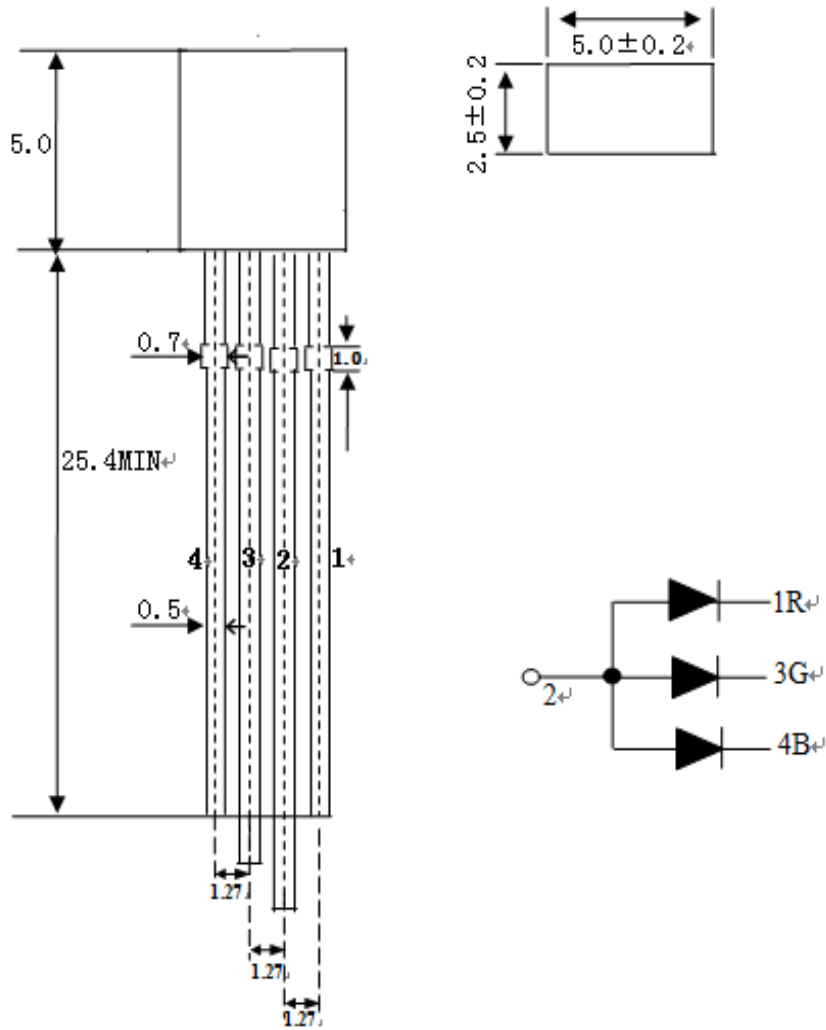
Electro-Optical Characteristics (Ta = 25°C)

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit	
Forward Voltage	If = 20mA	Vf	R	1.8	2.2	2.6	V
			B	2.8	3.2	3.6	
			G	2.8	3.2	3.6	
Luminous intensity	If = 20mA	IV	R	250	300	350	mcd
			B	200	250	300	
			G	800	900	1000	
Wavelength	If = 20mA	λ d	R	620	625	630	nm
			B	460	465	470	
			G	515	520	525	
Viewing Angle	If = 20mA	2 θ1/2		120		deg	



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PACKAGE





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• Soldering:

1. Manual of soldering

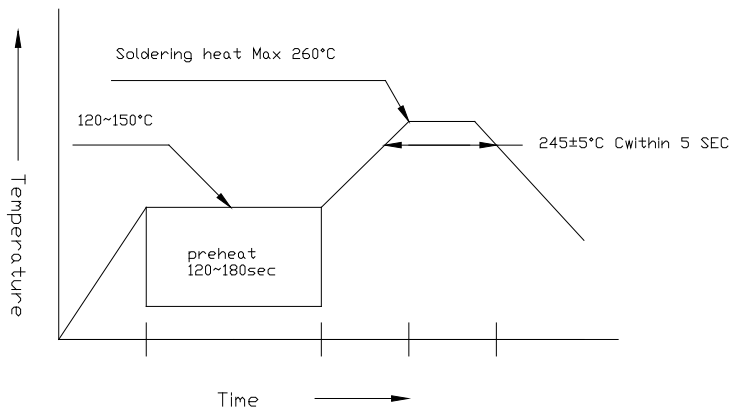
The temperature of the iron tip should not be higher than 260°C and

Soldering within 3 seconds per solder-land is to be observed

2. DIP soldering (Wave Soldering):

Preheating: 120°C ~ 150°C within 5 sec. 260°C (Max)

Gradual Cooling (Avoid quenching)

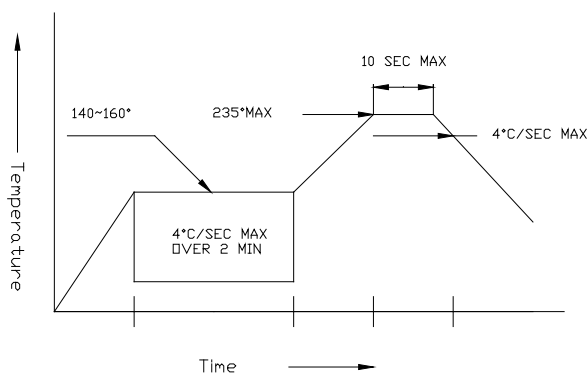


3. Reflow Soldering

Preheating: 140°C ~ 160°C ± 5°C, within 2 minutes.

Operation heating: 235°C (Max) within 10 seconds (Max)

Gradual Cooling (Avoid quenching)



• Handling:

Care must be taken not to cause to the epoxy resin portion of Yetda LEDS while it is exposed to high temperature.

Care must be taken not rub the epoxy resin portion of Yetda LEDS with hard or sharp article such as the sand blast and the metal hook