



# YETDA INDUSTRY LTD.

## 5mm Tri- Color Led Lamps 500RYTG4E-CA

\*5mm with Red and Yellow and Pure Green Dice °

\*Encapsulated with Water Clear color Package °

\*Common Anode °

### Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Forward Current	50	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	60°C for 3 seconds 1.6mm(0.063 inch) from body	

### Electro-Optical Characteristics (Ta = 25°C)

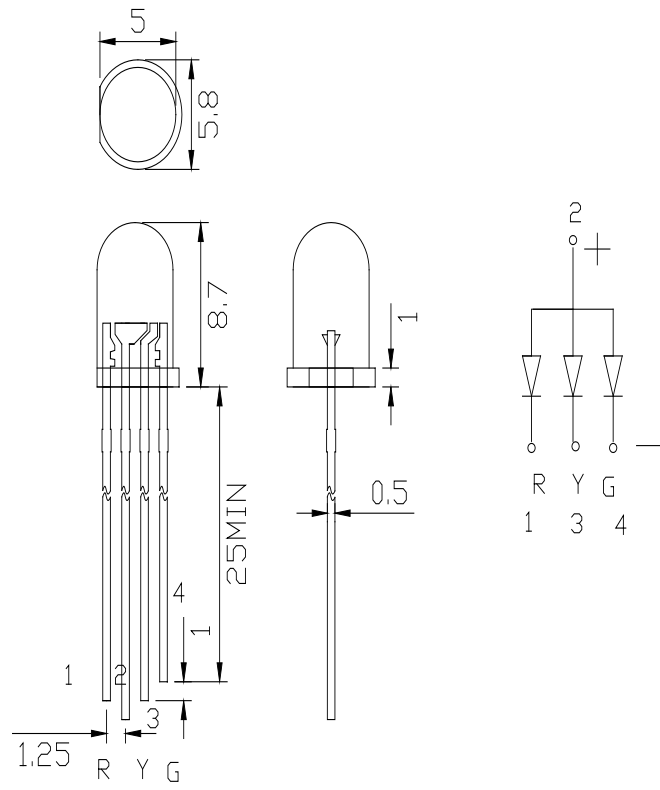
Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit	
Forward Voltage	If = 20mA	R	1.8	2.0	2.4	V	
		Y	1.8	2.0	2.4		
		G	2.8	3.2	3.6		
Reverse Current	Vr = 5V	Ir			10	uA	
Luminous intensity	If = 20mA	R	2000		4000	mcd	
		Y	2000		4000		
		G	4000		8000		
Spectral Bandwidth	If = 20mA	$\Delta \lambda$				nm	
Wavelength	If = 20mA	$\lambda_p$				nm	
		$\lambda_d$	R	620		630	nm
			Y	589		595	
			G	515		525	
Viewing Angle	If = 20mA	2 $\theta_{1/2}$		35		deg	

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PACKAGE





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## • Soldering:

### 1. Manual of soldering

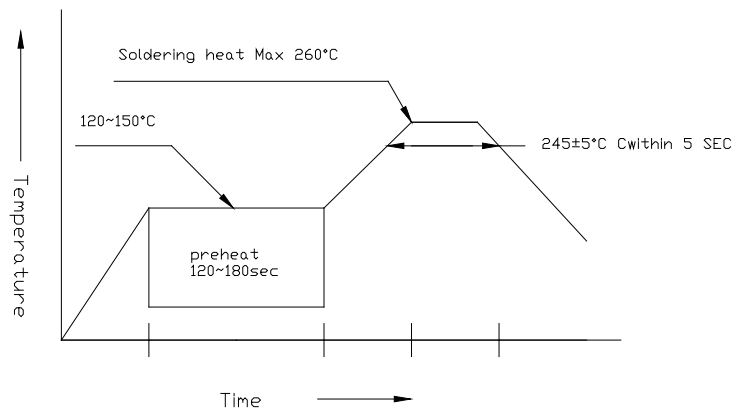
The temperature of the iron tip should not be higher than 260°C and

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)

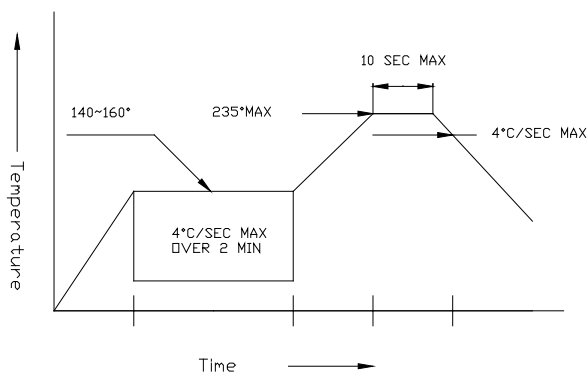


### 3. Reflow Soldering

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