

YETDA INDUSTRY LTD.

3mm Super-Bright Pure Green Led Lamp S300TG4G-H

- * 3mm Super Bright Pure Green Dice.
- * Encapsulated with Water Clear Package.

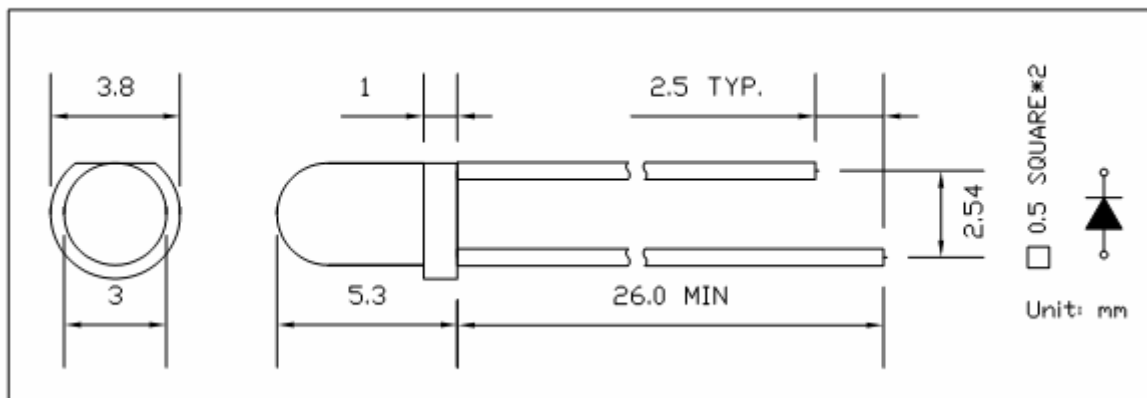
Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Forward Current	120	mA
Continuous Forward Current	30	mA
Operating Temperature Range	- 20°C to + 75°C	
Storage Temperature Range	- 40°C to + 100°C	
Lead Soldering Temperature	260°C for 5 seconds	

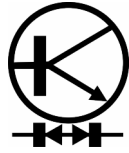
Electro-Optical Characteristics (Ta = 25°C)

Parameter	Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	Green	IF = 20mA	VF		3.2	3.8	V
Reverse Current		VR = 5V	IR			10	uA
Luminous Intensity	Green	IF = 20mA	Iv	5000	7000		mcd
Spectral Bandwidth	Green	IF = 20mA	λ		30		nm
Wavelength	Green	IF = 20mA	λ_p		525		nm
Half View Angle		IF = 20mA	$\theta_{1/2}$		20		deg

Item:300



Typical Electro-Optical Characteristics Curve:



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Fig 1. Forward Current vs. Forward Voltage

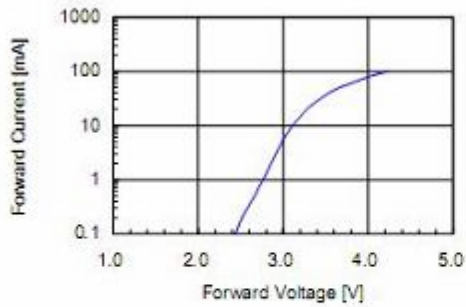


Fig 2. Relative Intensity vs. Forward Current

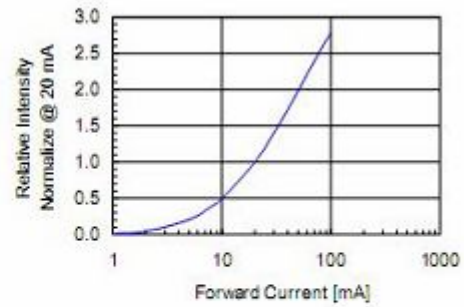


Fig 3. Forward Voltage vs. Temperature

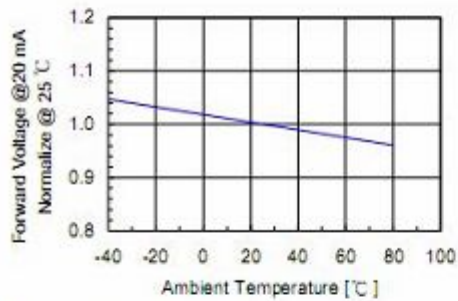


Fig 4. Relative Intensity vs. Temperature

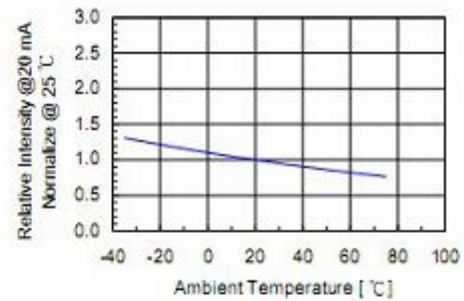
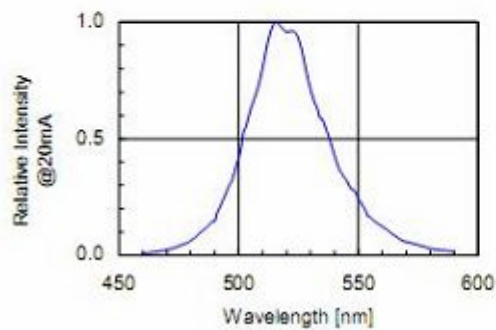
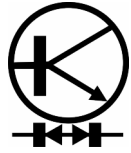


Fig 5. Relative Intensity vs. Wavelength



•Soldering:

1. Manual of soldering



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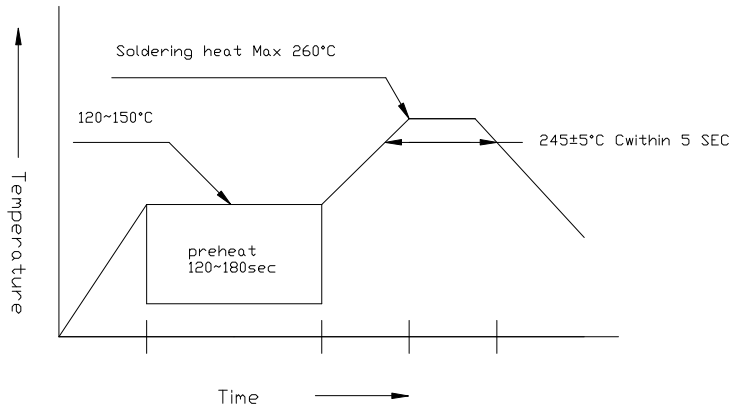
The temperature of the iron tip should not be higher than 260°C and

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)

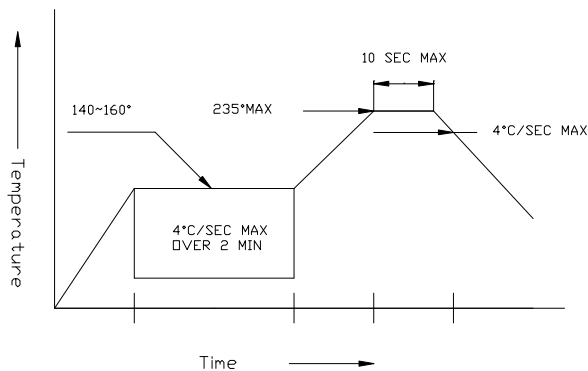


3. Reflow Soldering

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