

YETDA INDUSTRY LTD.

S625TW4G-T 2x5mm White Color LED Lamps

- * 2x5mm White color with Super Bright Dice.
- * Encapsulated with Water Clear Package with 2 leads.

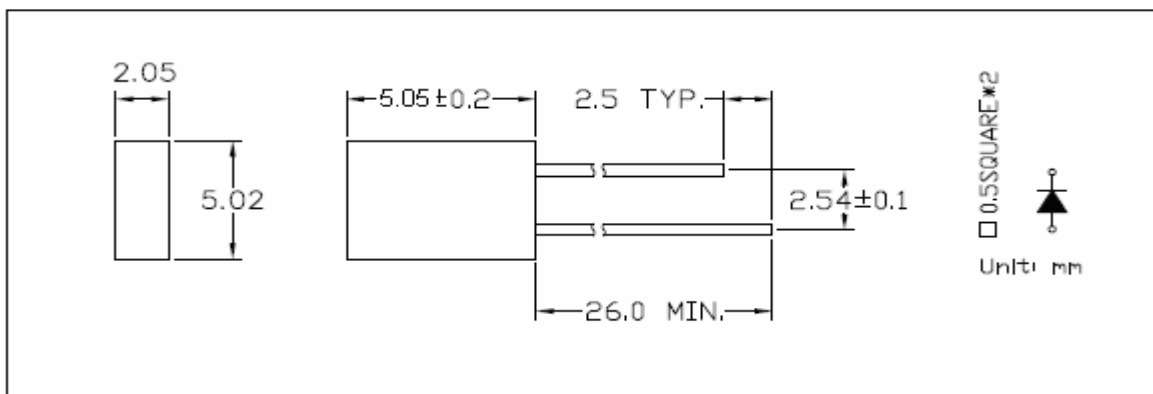
Absolute Maximum Ratings : (Ta=25°C)

Parameter	Symbol	Red	Yellow	Unit
Power Dissipation	PD	100	100	mw
Reverse Voltage	VR	5	5	V
Average Forward Current	LAF	30	30	mA
Peak Forward Current (Duty=0.1,10KHZ)	IPF	200	200	mA
Operatating Temperature Range	TOPR	-20°C to +80 °C		
Storage Temperature Range	TSTG	-40°C to +100 °C		
Lead Soldering Temperature { 1.6mm(0.063inch) From Body } 260°C For 3 Seconds				

Electro-Optical Characteristics (Ta = 25°C)

Parameter	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage White	IF = 20mA	VF		3.2	3.8	V
Reverse Current	VR =5V	IR			10	uA
Luminous Intensity White	IF = 20mA	Iv	1000	1500		mcd
CIE White	IF = 20mA			X:0.29 Y:0.30		
Viewing Angle	IF = 20mA	2θ 1/2		60		deg

Item: (2X5mm) 625





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Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

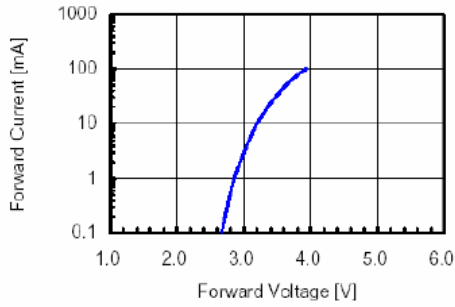


Fig 2. Relative Intensity vs. Forward Current

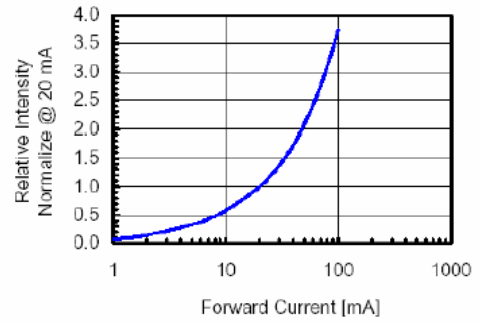


Fig 3. Forward Voltage vs. Temperature

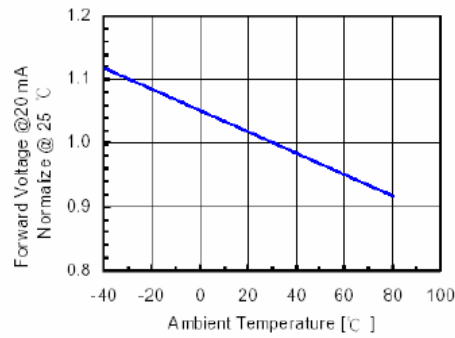


Fig 4. Relative Intensity vs. Temperature

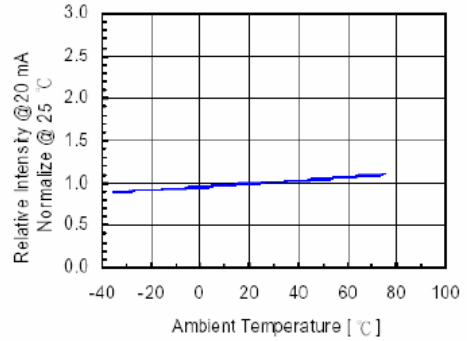
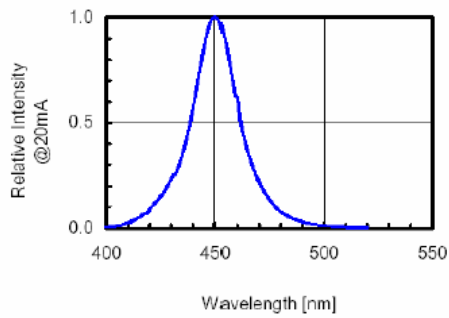
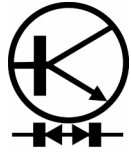


Fig 5. Relative Intensity vs. Wavelength





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•Soldering:

1. Manual of soldering

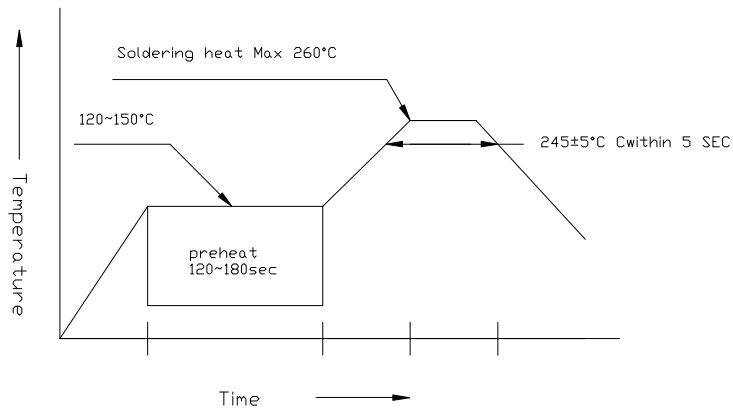
The temperature of the iron tip should not be higher than 260°C and

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)

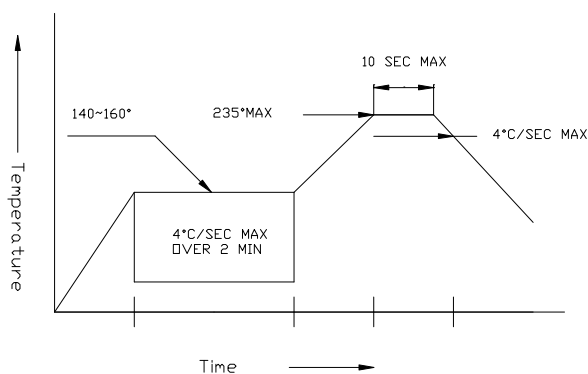


3. Reflow Soldering

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