YETDA INDUSTRY LTD.

F620EHGU2K-CC
2 x 5mm Orange + Green Bi Color LED Lamps

* 2x5mm Bi-color with High Bright Red and Green Dice.
* Encapsulated with Milky Diffused Package with 3 leads.
* Common Cathode

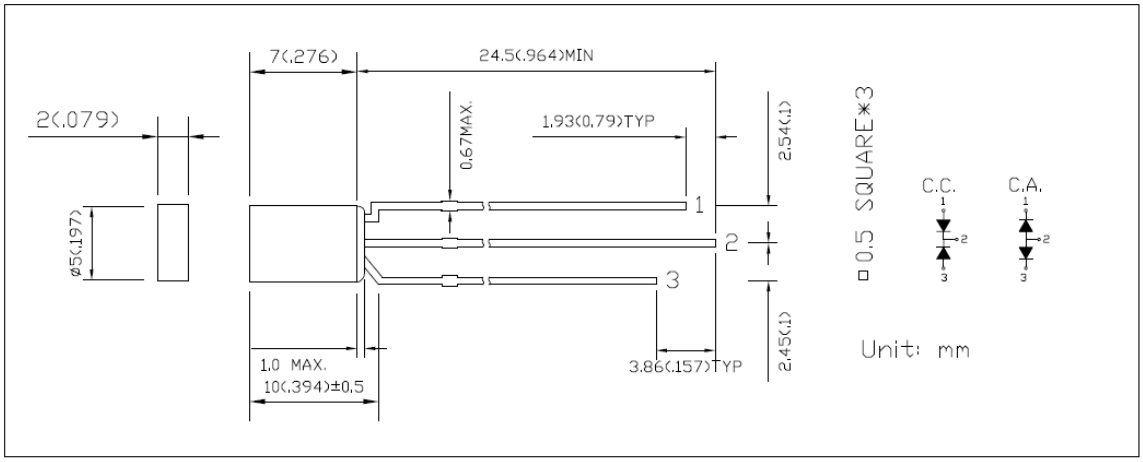
Absolute Maximum Ratings : (Ta=25℃)

Parameter	Symbol	Red	Green	Unit
Power Dissipation	PD	100	70	mw
Reverse Voltage	VR	5	5	V
Average Forward Current	LAF	30	25	mA
Peak Forward Current (Duty=0.1,10KHZ)	IPF	200	90	mA
Operating Temperature Range	TOPR	-20℃ to +80 ℃		
Storage Temperature Range	TSTG	-40℃ to +100 ℃		
Lead Soldering Temperature {1.6mm(0.063inch) From Body} 260℃ For 3 Seconds				

Electro-Optical Characteristics （Ta = 25℃）

Parameter		Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	Orange	IF = 20mA	VF		2.1	2.4	V
	Green				2.2	2.6	
Reverse Current		VR =5V	IR			10	uA
Luminous Intensity	Orange	IF = 20mA	Iv		13		mcd
	Green				20		mcd
Wavelength	Orange	IF = 20mA	λd		620		nm
	Green				572		nm
Viewing Angle		IF = 20mA	2θ 1/2		80		deg

Iten:F620



2016FEB2Y

Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

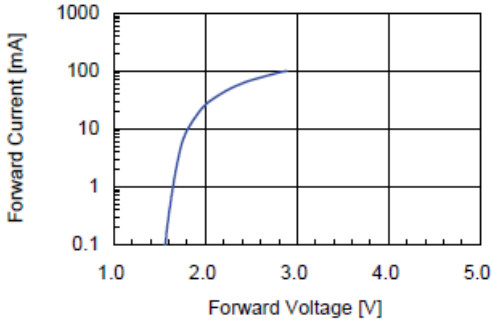


Fig 2. Relative Intensity vs. Forward Current

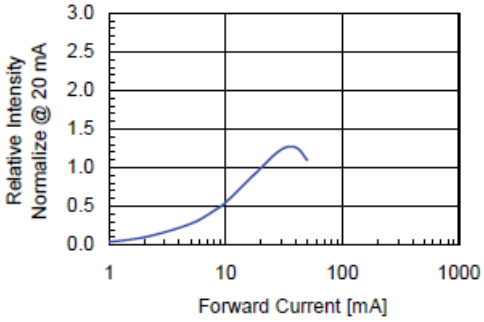


Fig 3. Forward Voltage vs. Temperature

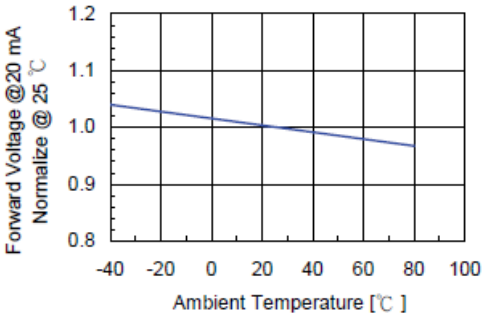


Fig 4. Relative Intensity vs. Temperature

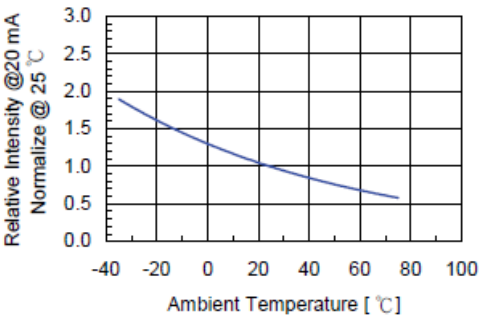
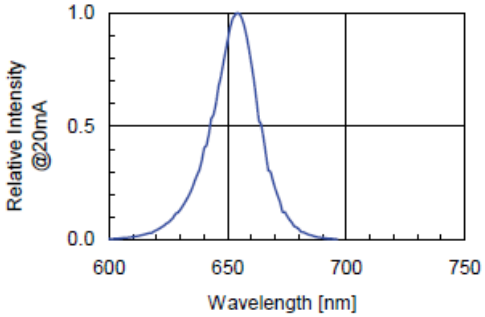


Fig 5. Relative Intensity vs. Wavelength



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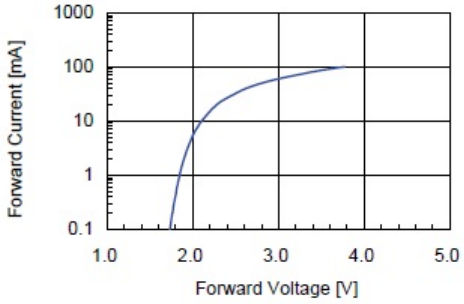

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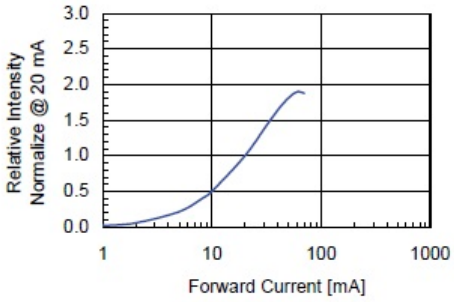

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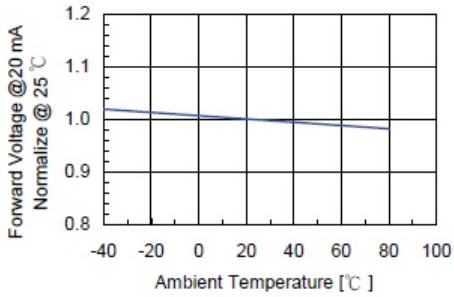

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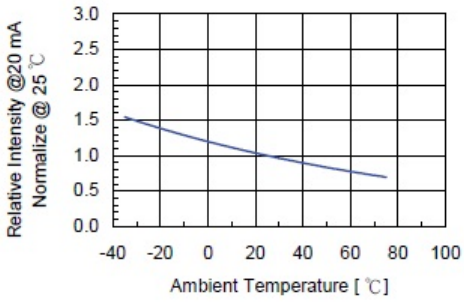
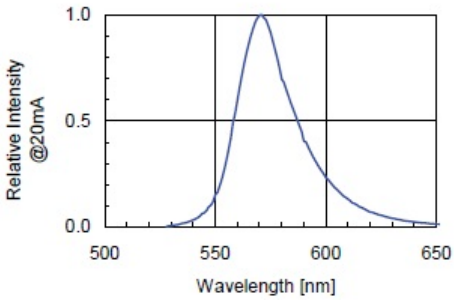


Fig 5. Relative Intensity vs. Wavelength



•Soldering:

1. Manual of soldering

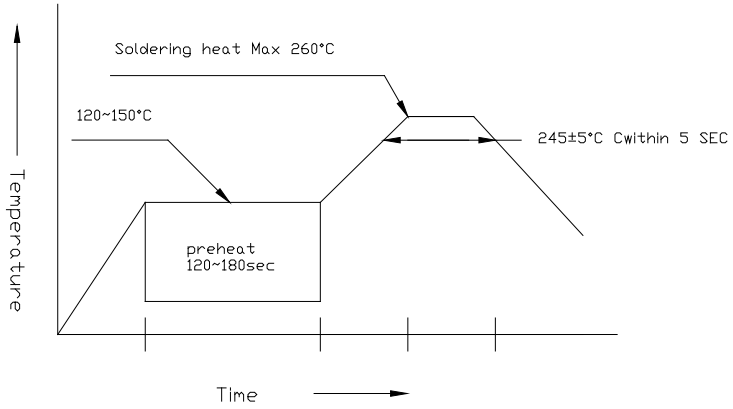
The temperature of the iron tip should not be higher than 260 ℃and

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

2. DIP soldering (Wave Soldering):

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

Gradual Cooling (Avoid quenching)

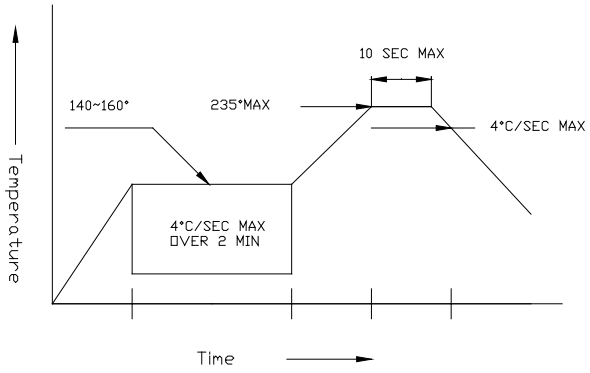


3. Reflow Soldering

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

Operation heating:235 ℃(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