YETDA INDUSTRY LTD.

3mm Blue Color LED Lamps
S300TB4G

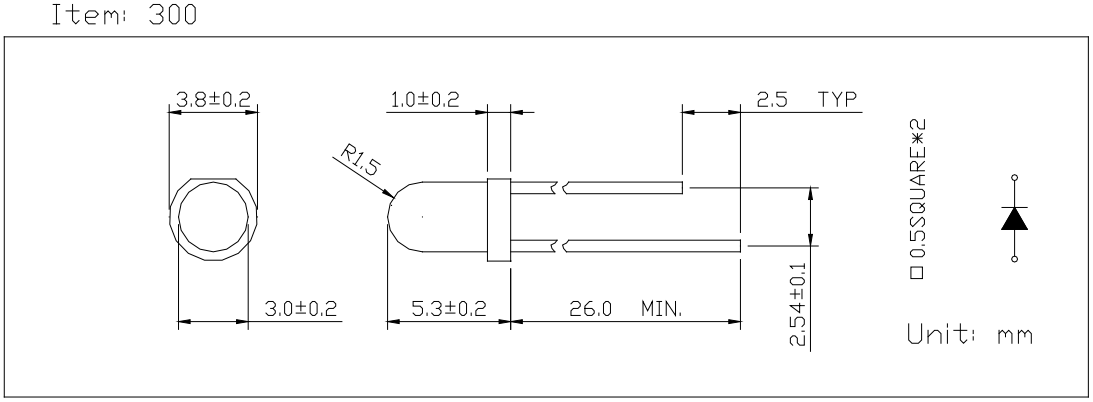
* 3mm Blue color with InGaN Dice.
* Encapsulated with Water Clear Package with 2 leads.

Absolute Maximum Ratings : (Ta=25℃)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	PD	100	mw
Reverse Voltage	VR	5	V
Average Forward Current	LAF	30	mA
Peak Forward Current (Duty=0.1,10KHZ)	IPF	200	mA
Opertating 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	IF = 20mA	VF		3.2	3.8	V
Reverse Current	VR =5V	IR			10	uA
Luminous Intensity	IF = 20mA	Iv	600		1000	mcd
Wavelength	IF = 20mA	λD		470		nm
Viewing Angle	IF = 20mA	2θ 1/2		140		deg



14JUNE19W

YETDA INDUSTRY LTD.

Typical Electro-Qptical Characteristics Curve: for Blue

Fig 1. Forward Current vs. Forward Voltage

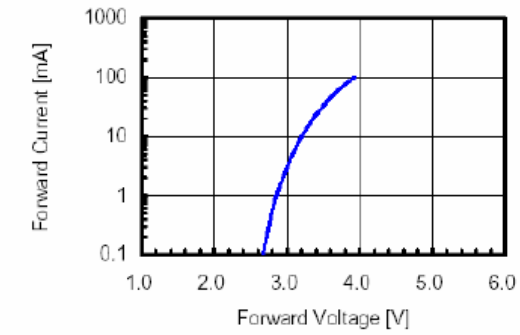


Fig 2. Relative Intensity vs. Forward Current

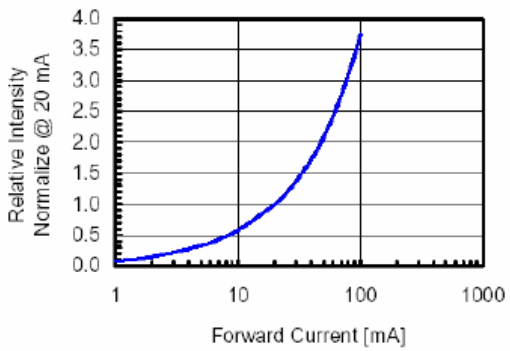


Fig 3. Forward Voltage vs. Temperature

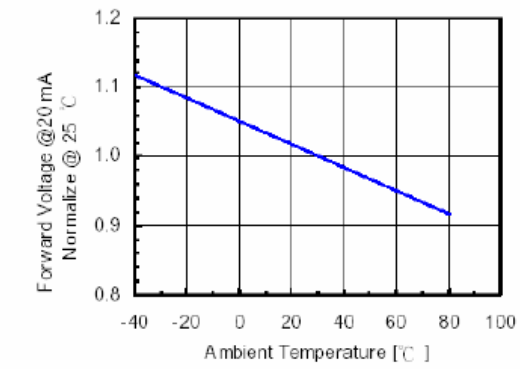


Fig 4. Relative Intensity vs. Temperature

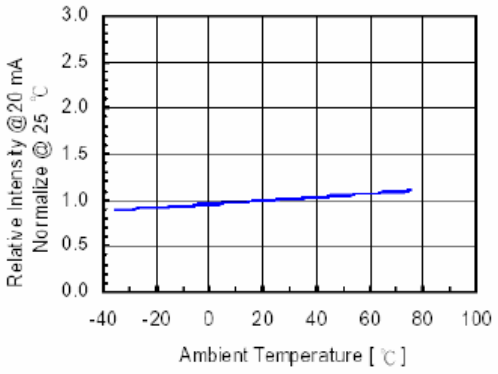
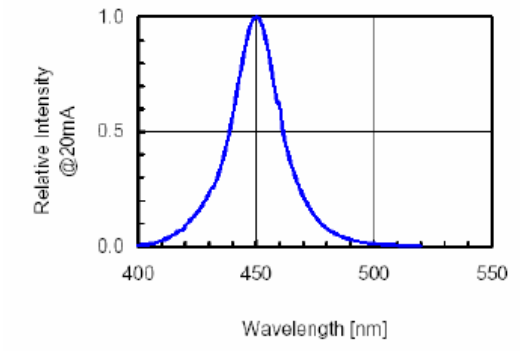


Fig 5.Relative Intensity vs. Wavelength



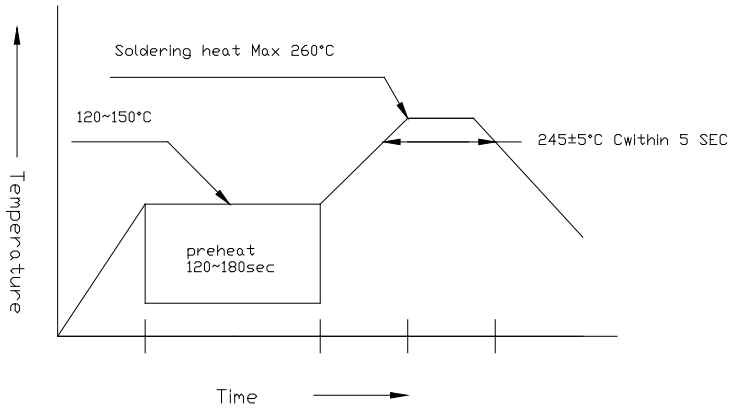
•Soldering:

1. Manual of soldering

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)



•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