

**SMD LED LAMP, Multi Color Type, Blinking**
**BL-LS2018A0E4RGB-IC**
**Features:**

- 2.0mmx1.8mm SMD, 0.35mm THICKNESS , Blinking LED
- RGB-color type
- Compatible with automatic placement equipment
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- PACKAGE: 2KPCS/REEL.
- RoHs Compliance


**■ Electrical-optical characteristics: (Ta=25°C) (Test Condition: V=3V)**

Part Number	Chip		Lens	Blinking			Forward Voltage(VF) Unit:V		Luminous Intensity (lv) Unit:mcd		Viewing Angle 2θ1/2(deg)
	Color	λp (nm)		Fre. F	Tol. Fled	Turn On Time Duty	Typ	Max	Min	Typ	
BL-LS2018A0E4RGB-IC	Ultra Red	645	Water Clear	0.04	±20%	1/40	3.00	3.50	100	180	120
	Ultra Pure Green	525					3.00	3.50	250	500	
	Blue	470					3.00	3.50	100	200	

**■ Absolute maximum ratings (Ta=25°C)**

Parameter	UR	PG	UB	Unit
Forward Current I <sub>F</sub>	30	30	30	mA
Power Dissipation P <sub>d</sub>	78	78	78	mW
Reverse Voltage V <sub>R</sub>	5	5	5	V
Peak Forward Current I <sub>PF</sub> (Duty 1/10 @1KHZ)	100	100	100	mA
Operation Temperature T <sub>OPR</sub>	-30 to +80			°C
Storage Temperature T <sub>STG</sub>	-40 to +85			°C
Lead Soldering Temperature T <sub>SOL</sub>	Max.260±5°C for 3 sec Max. (1.6mm from the base of the epoxy bulb)			°C

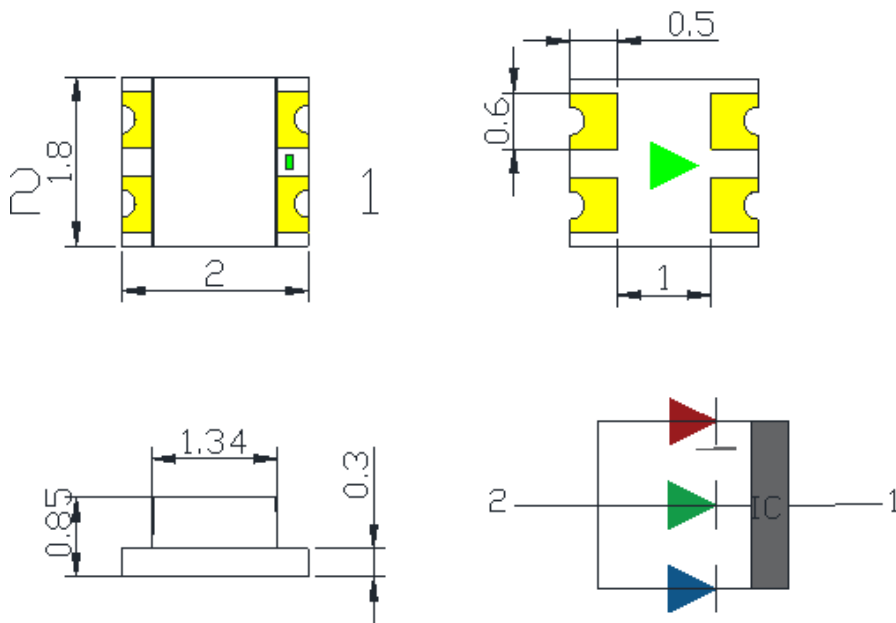
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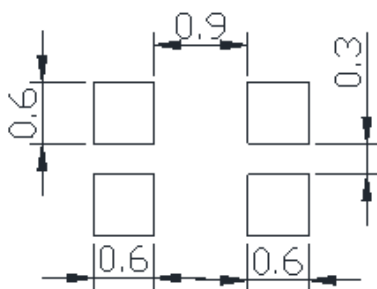
■ **Package configuration & Internal circuit diagram**

# BL-LS2018A0E4RGB-IC Series

## Package Outline Drawing



## Recommended Soldering Pad Dimensions



**Notes:**

1. All dimensions are in millimeters (inches)
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.
3. Specifications are subject to change without notice.

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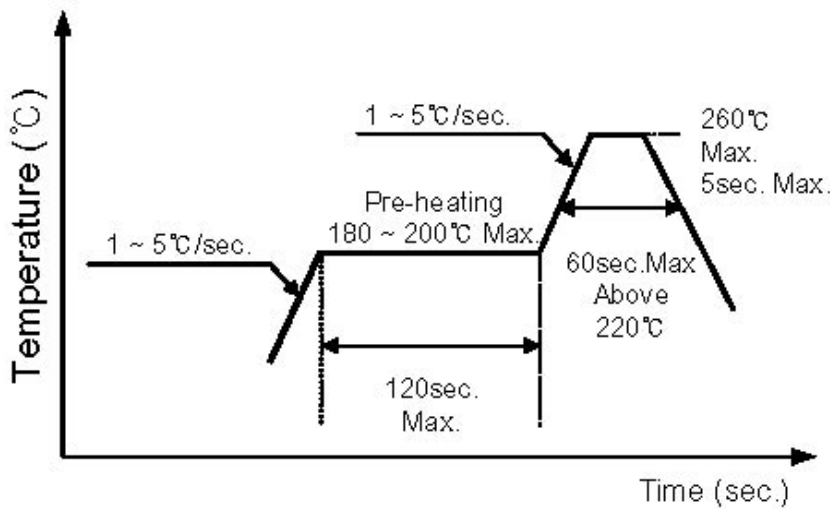
**BL-LS2018A0E4RGB-IC**

■ **Tape Specifications**

**Smt Reflow Soldering Instructions**

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process

■ **Lead-free Solder**



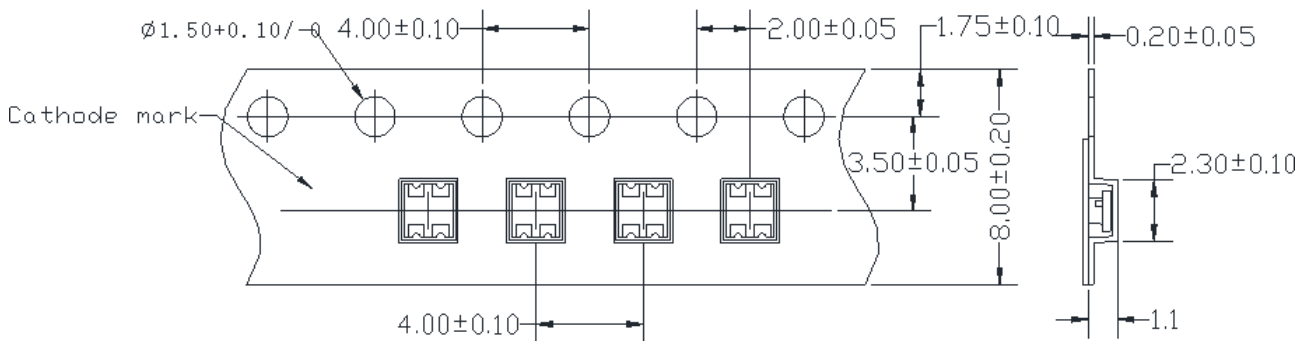
■ **Tape Specifications**

(Units:mm)

**Tape Specifications**

Unit?mm

Tolerance? $\pm 0.1$

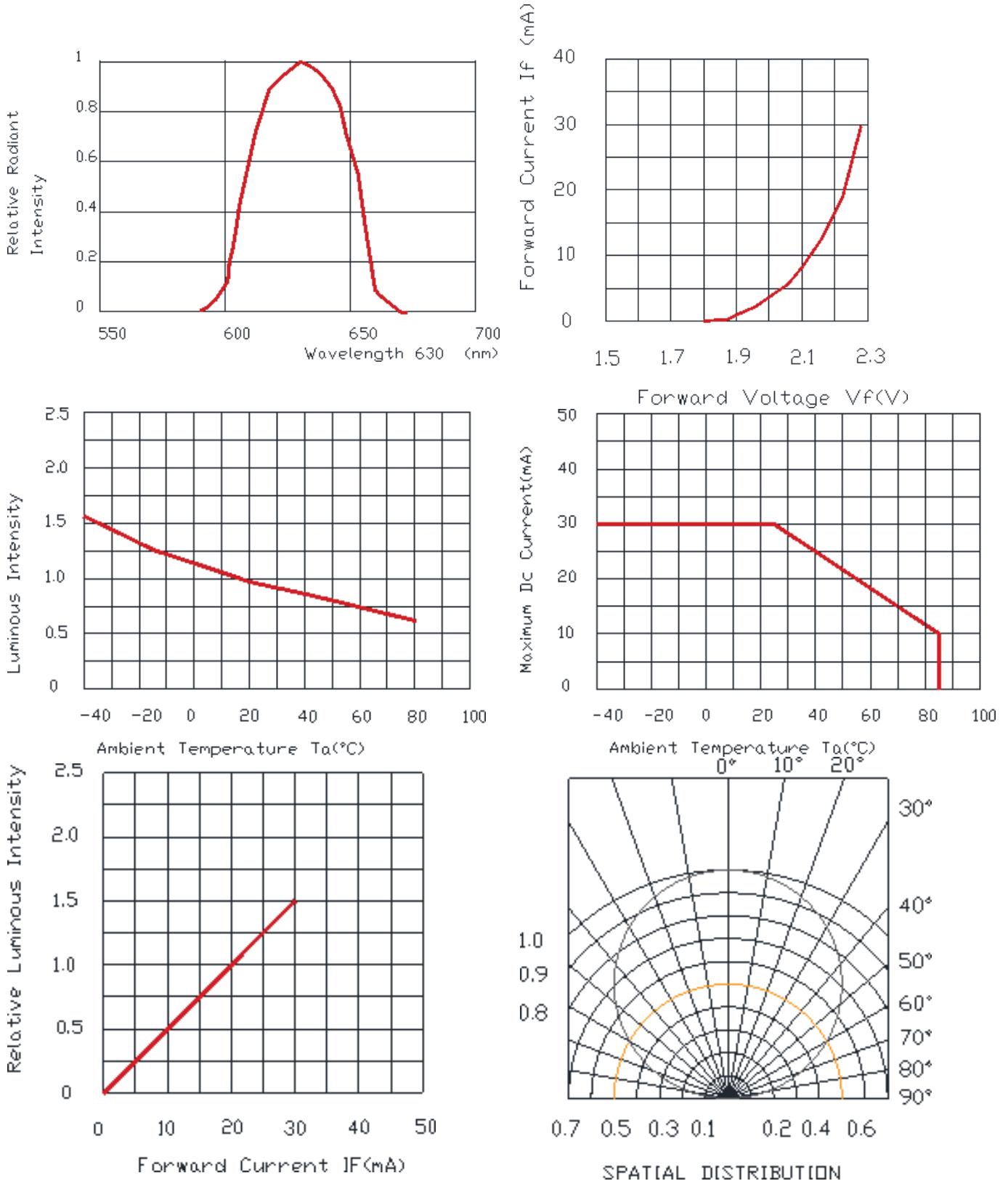


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■ **Typical electrical-optical characteristics curves:**

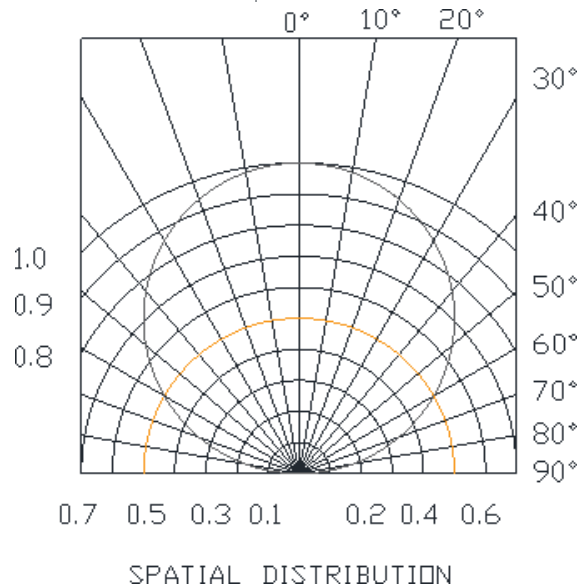
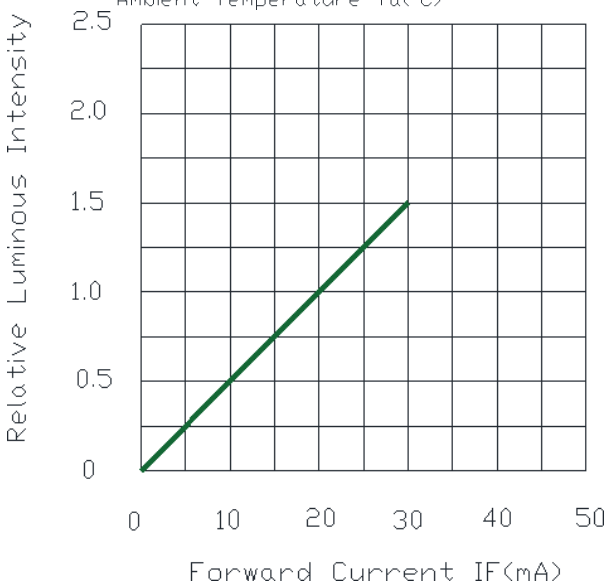
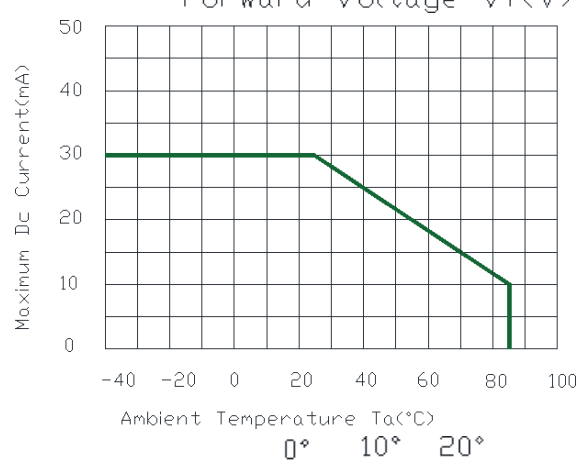
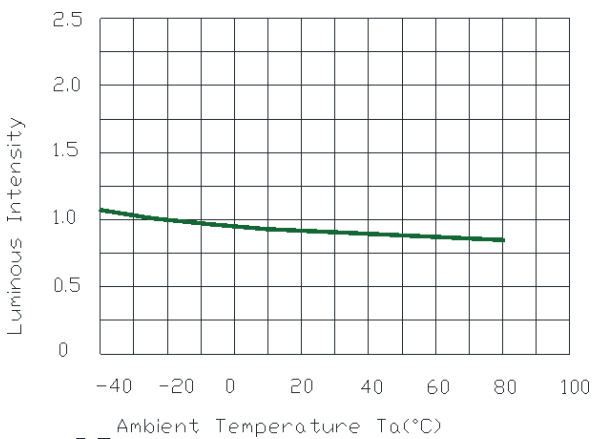
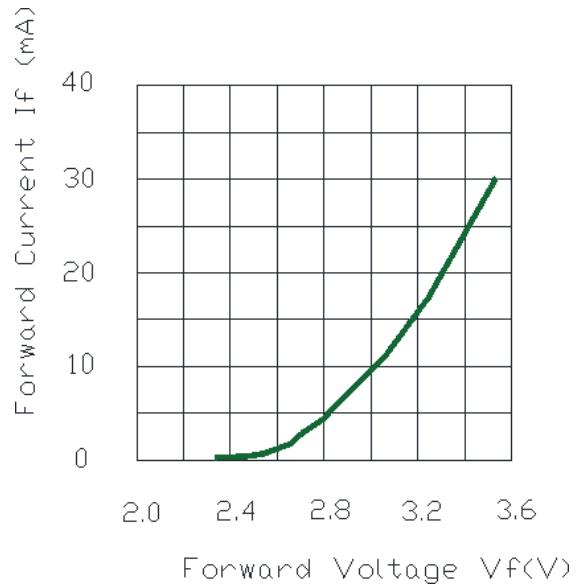
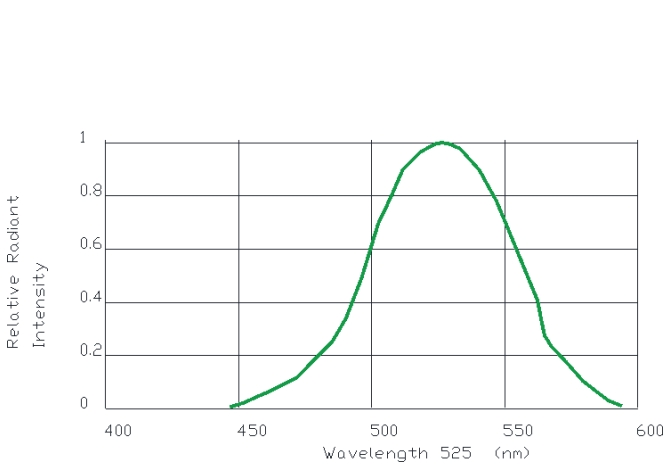
Red:



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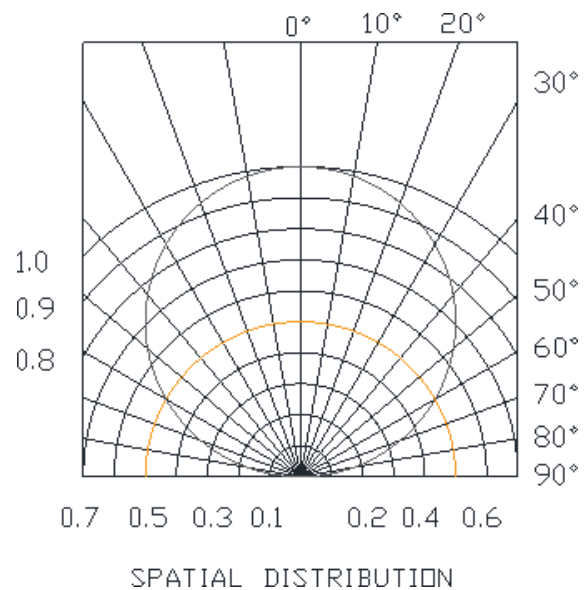
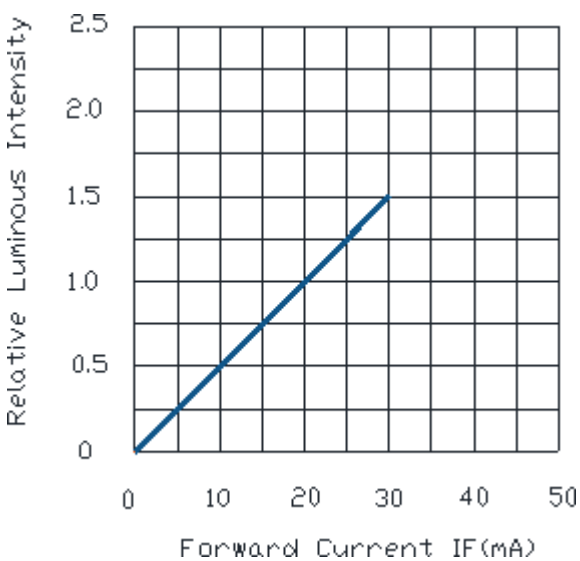
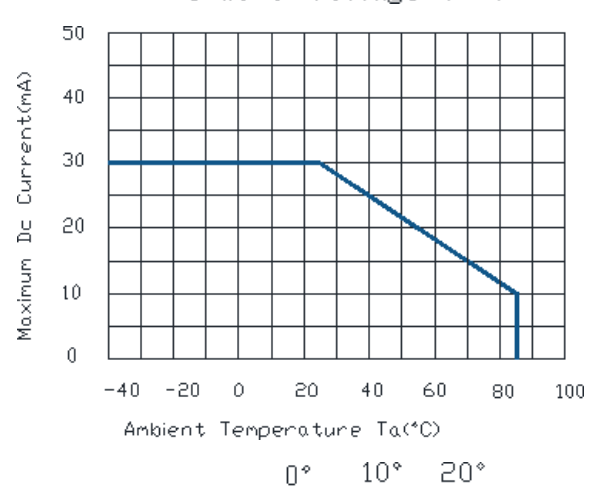
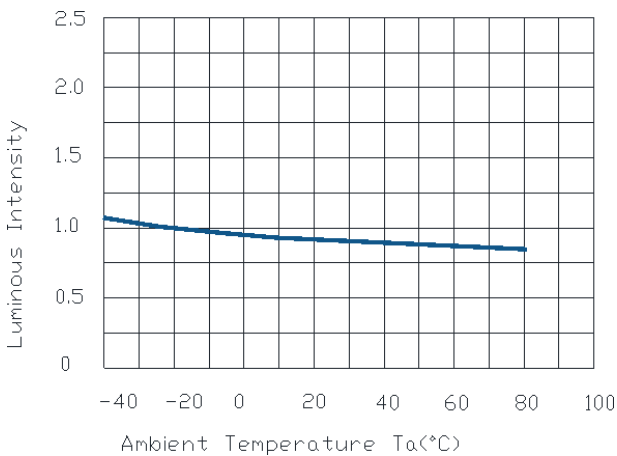
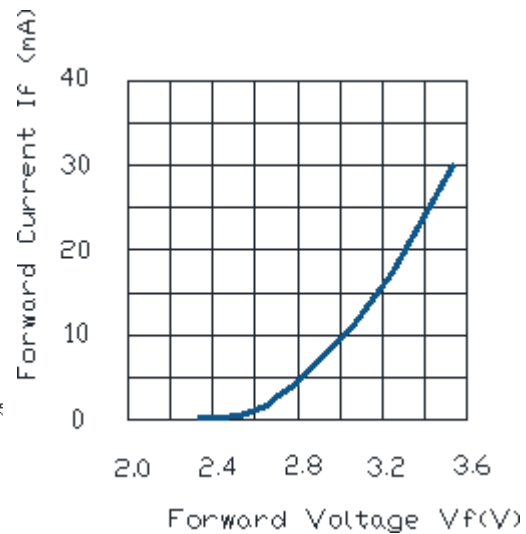
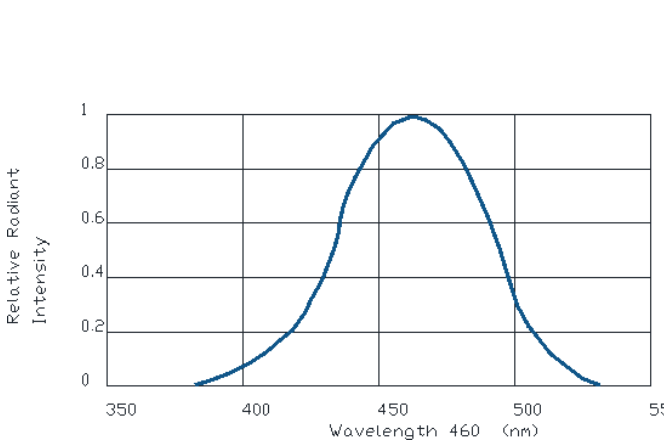
Green:



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Blue:



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■ **Packing and weighting**

