

SMD LED LAMP

BL-LS3210A0E3RGB

Features:

- 3.2mmx1.0mm SMD, 1.5mm height package
- RGB type, Ultra brightness
- Compatible with automatic placement equipment
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- PACKAGE: 3KPCS/REEL
- RoHs Compliance



■ Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=20mA)

Part Number	Chip			Lens Type	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λ _P (nm)		Typ	Max	Min.	Typ.	
					BL-LS3210A0E3RGB	Ultra Red	AlGaInP	630	
	Ultra Pure Green	InGaN	525		3.10	4.20	110	200	
	Ultra Blue	InGaN	470		3.10	4.20	90	180	

■ Absolute maximum ratings (Ta=25°C)

Parameter	R	G	B	Unit
Forward Current I _F	30	30	30	mA
Power Dissipation P _d	78	78	78	mW
Reverse Voltage V _R	5	5	5	V
Peak Forward Current I _{PF} (Duty 1/10 @1KHZ)	100	100	100	mA
Operation Temperature T _{OPR}	-30 to +80			°C
Storage Temperature T _{STG}	-40 to +85			°C
Lead Soldering Temperature T _{SOL}	Max.260±5°C for 3 sec Max. (1.6mm from the base of the epoxy bulb)			°C

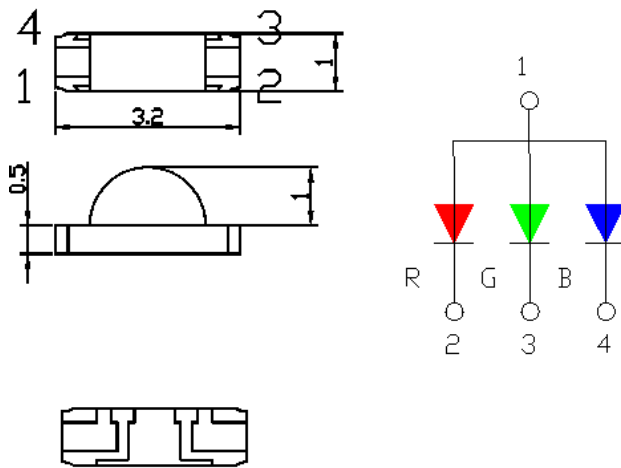
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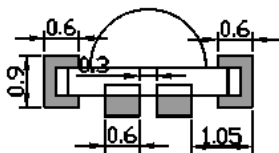
■ **Package configuration & Internal circuit diagram**

BL-LS3210A0E3RGB 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.

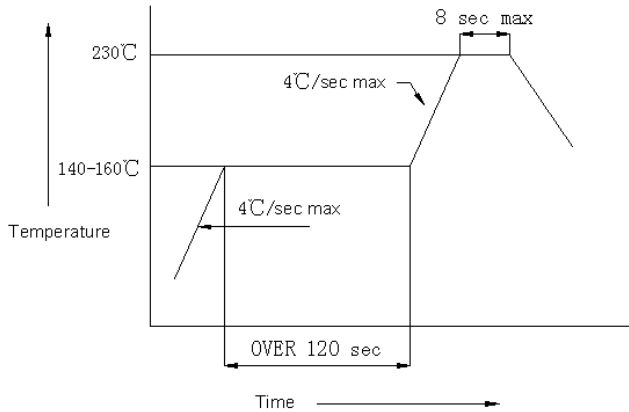
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■ **Tape Specifications**

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

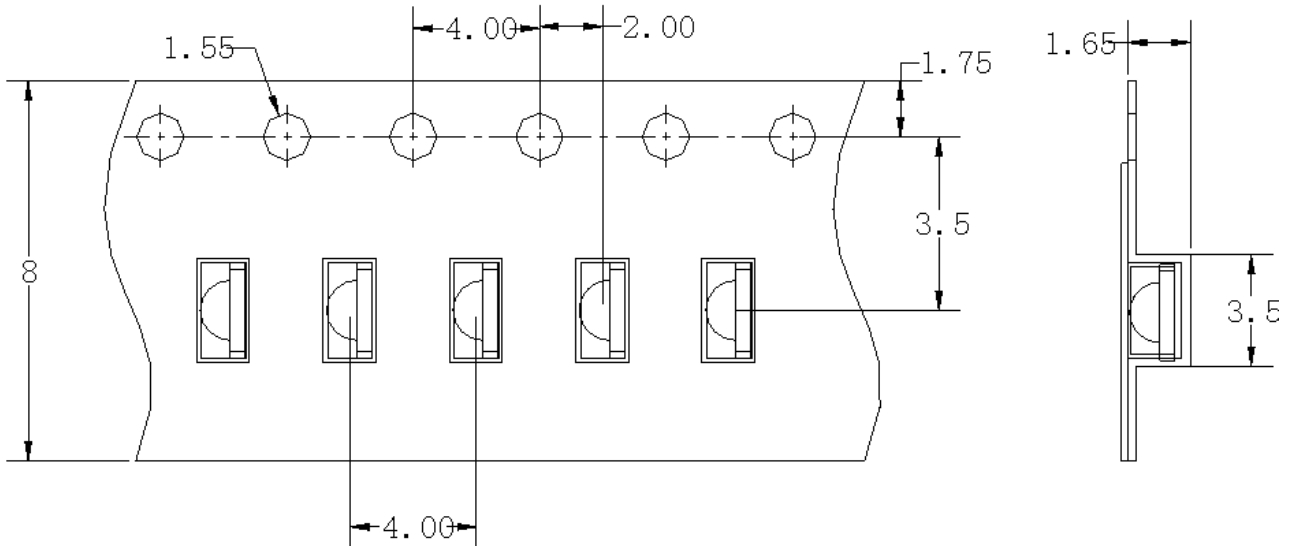


Tape Specifications

(Units:mm)

Unit: mm

Tolerance: ± 0.1

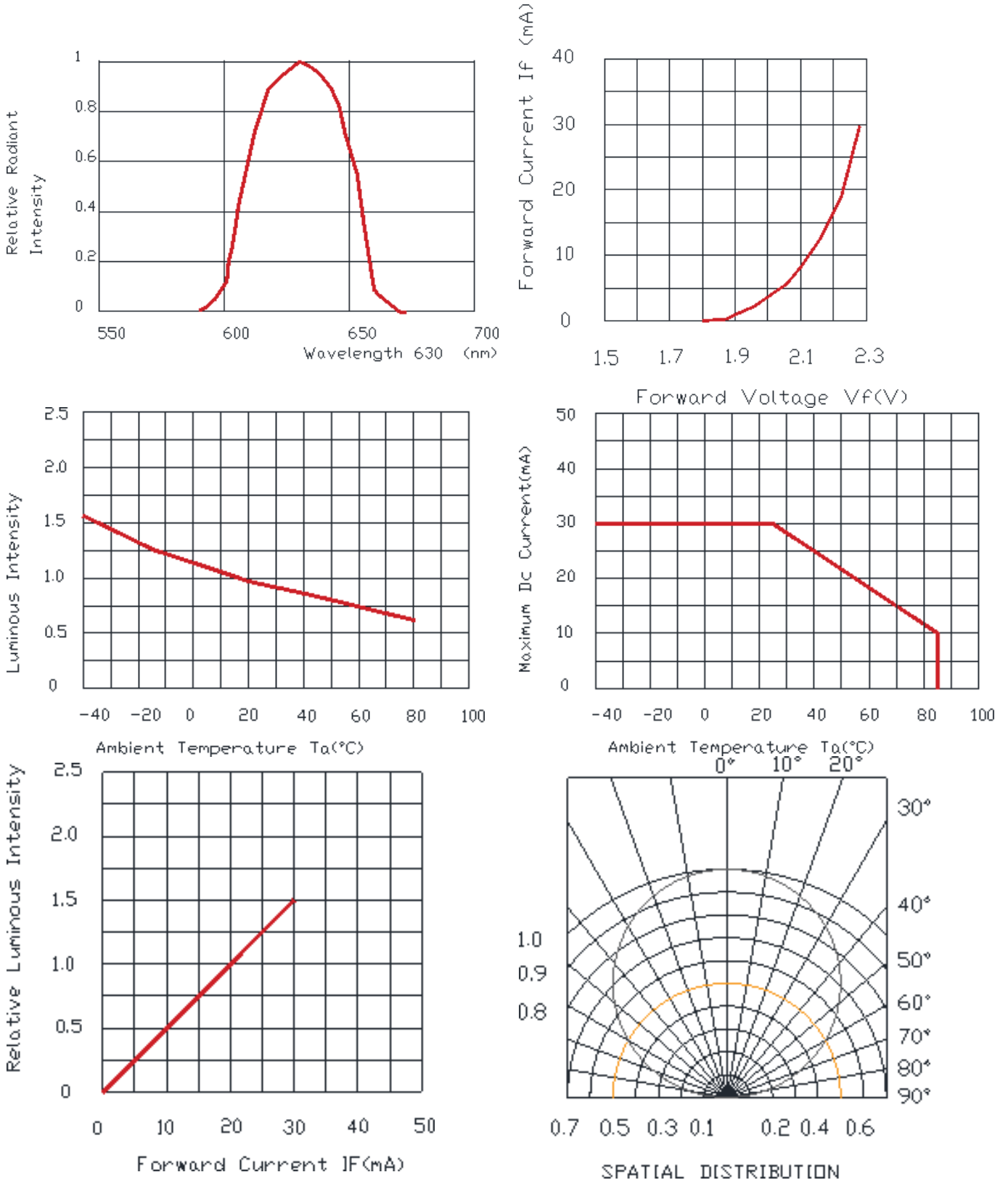


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■ **Typical electrical-optical characteristics curves:**

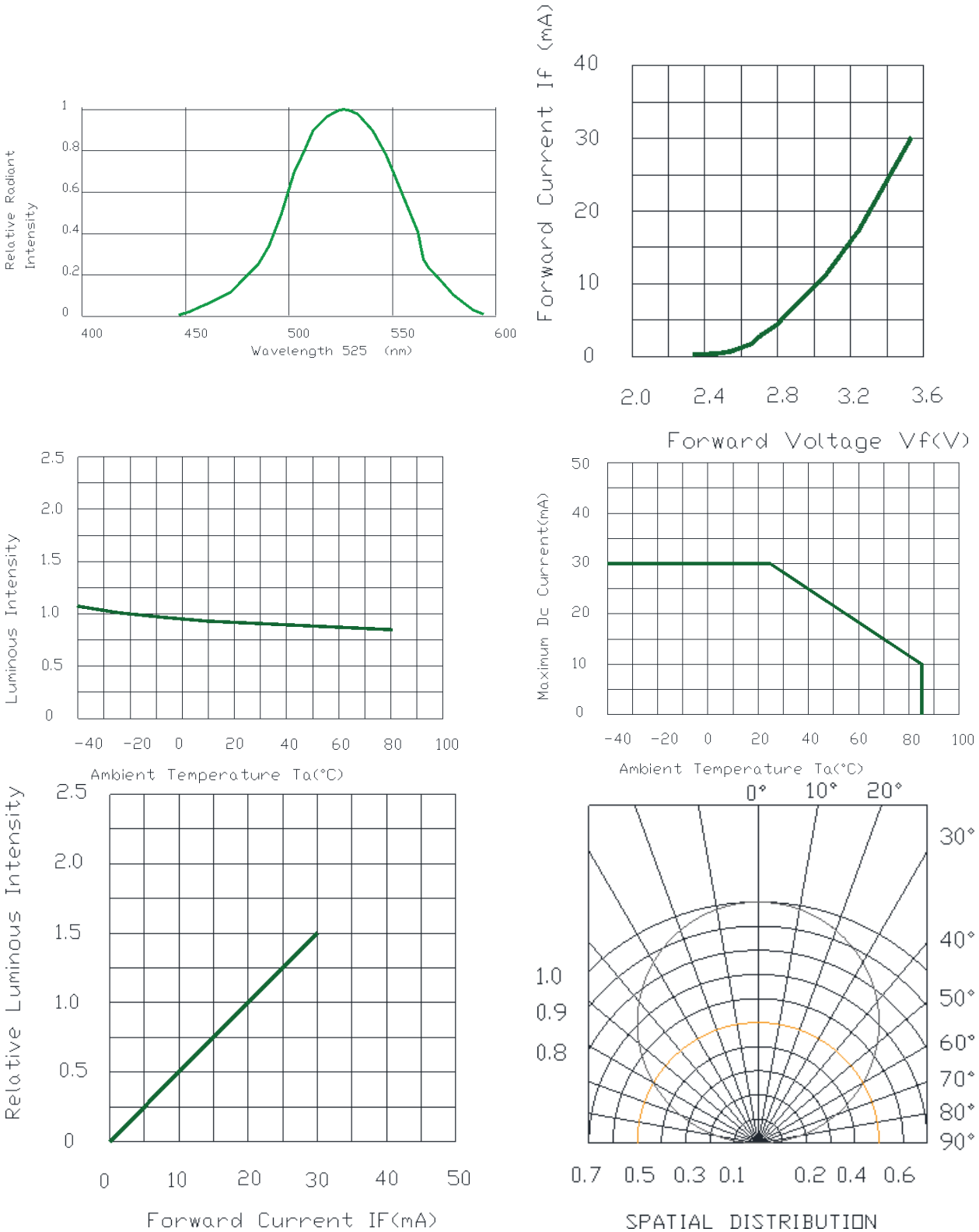
Red:



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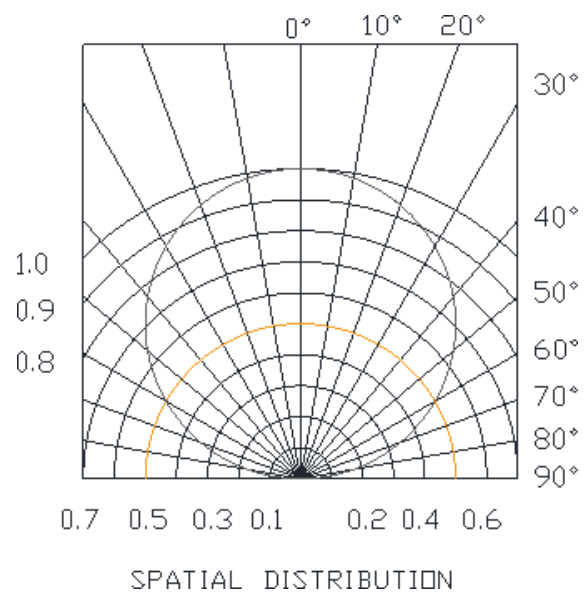
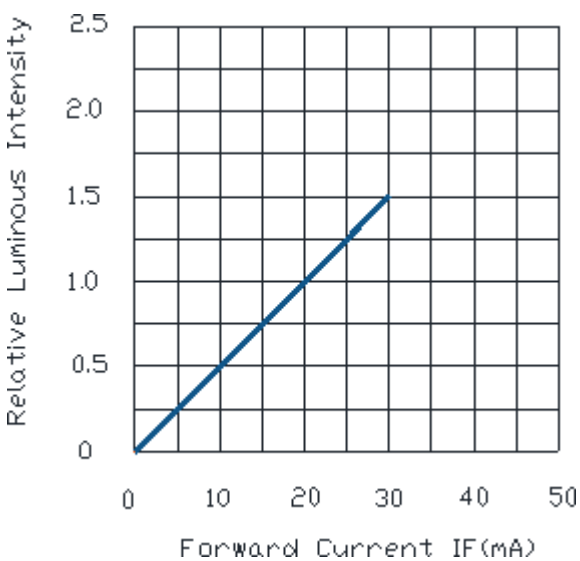
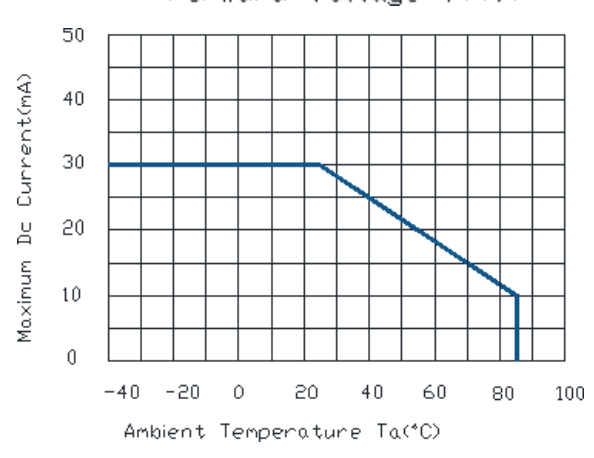
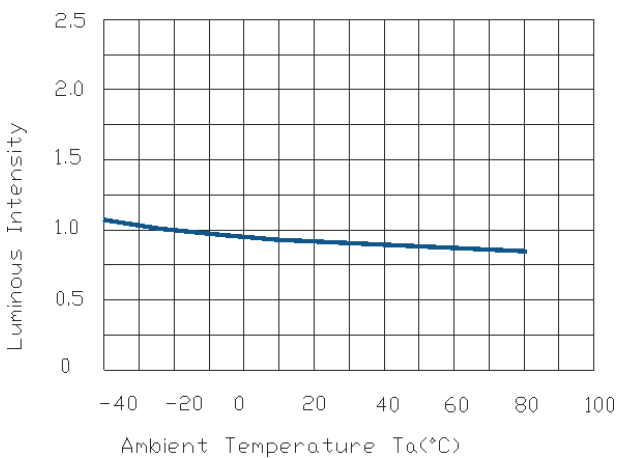
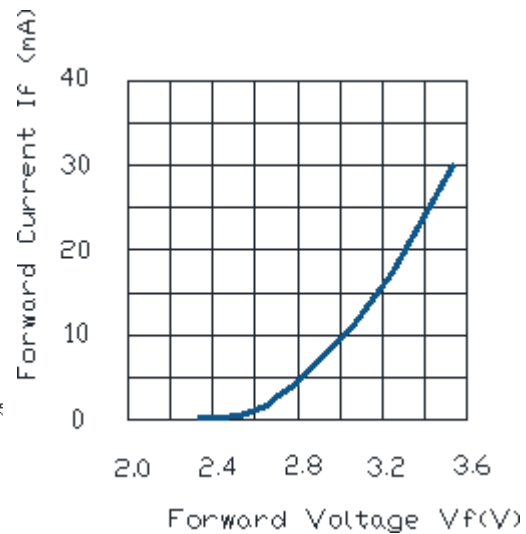
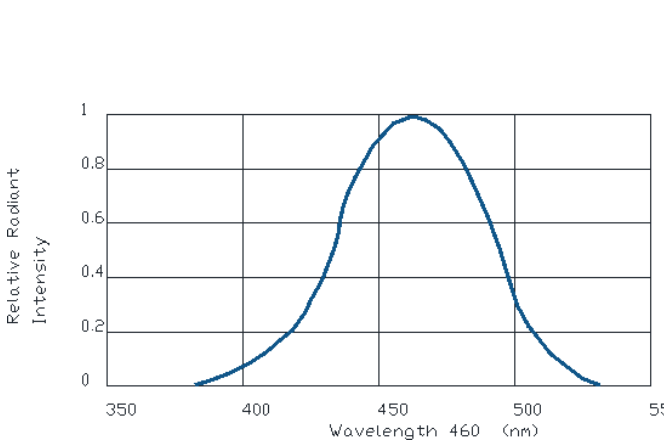
Green:



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Blue:



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■ **Packing and weighting**

