

### 8.89mmx8.89mm LED LIGHT BAR

Part Number: KB-2755SYKW

Super Bright Yellow

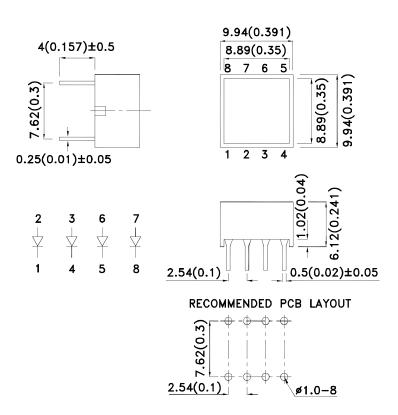
### **Features**

- Uniform light emitting area.
- Easily mounted on P.C. boards.
- Flush mountable.
- Excellent on/off contrast.
- Can be used with panels and legend mounts.
- RoHS compliant.

## **Description**

The Super Bright Yellow device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

### **Package Dimensions& Internal Circuit Diagram**



#### Notes

1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.

2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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 DATE: MAY/19/2010
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 APPROVED: WYNEC
 CHECKED: Joe Lee
 DRAWN: C.H.Han
 ERP: 1334000414

# Kingbright

# **Selection Guide**

Part No.	Dice	Lens Type	lv (mcd) [1] @ 20mA	
			Min.	Тур.
KB-2755SYKW	Super Bright Yellow (AlGaInP)	WHITE DIFFUSED	70	260

#### Note:

# Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	IF=20mA
С	Capacitance	Super Bright Yellow	20		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Yellow	2.0	2.5	V	IF=20mA
lr	Reverse Current	Super Bright Yellow		10	uA	VR=5V

- 1.Wavelength: +/-1nm.
- 2. Forward Voltage: +/-0.1V.

# Absolute Maximum Ratings at TA=25°C

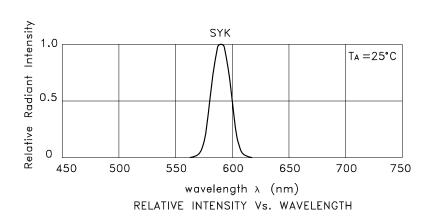
Parameter	Super Bright Yellow		
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	175	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature[2]	260°C For 3-5 Seconds		

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
   2. 2mm below package base.

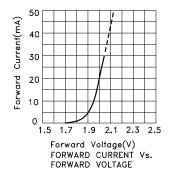
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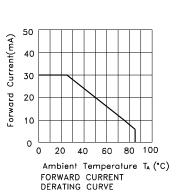
<sup>1.</sup> Luminous intensity/ luminous Flux: +/-15%.

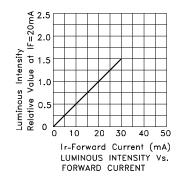
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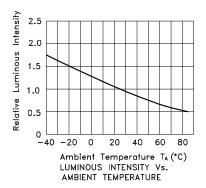


Super Bright Yellow KB-2755SYKW





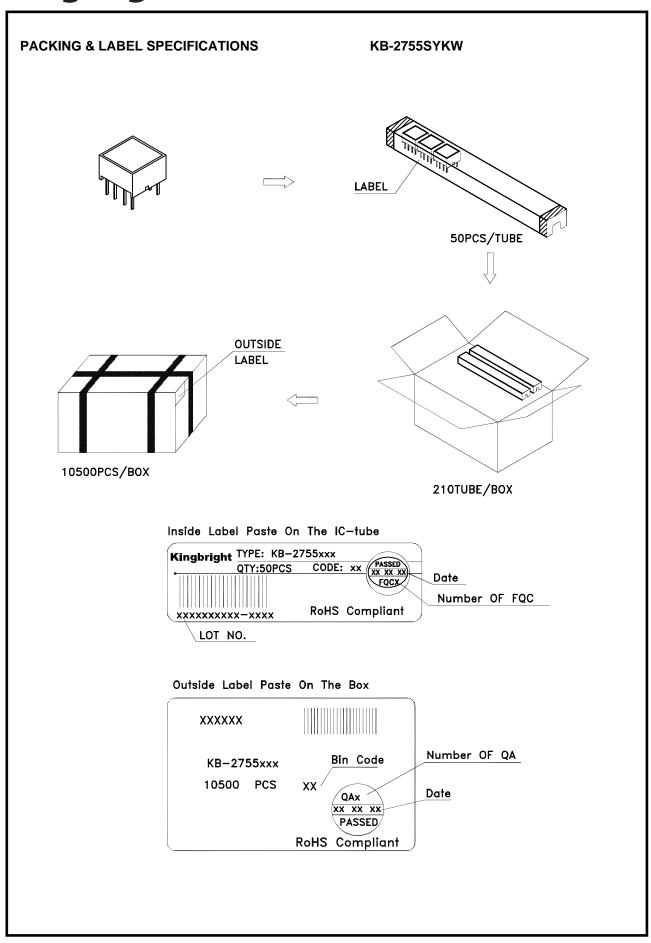




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