

KB-2400YW YELLOW

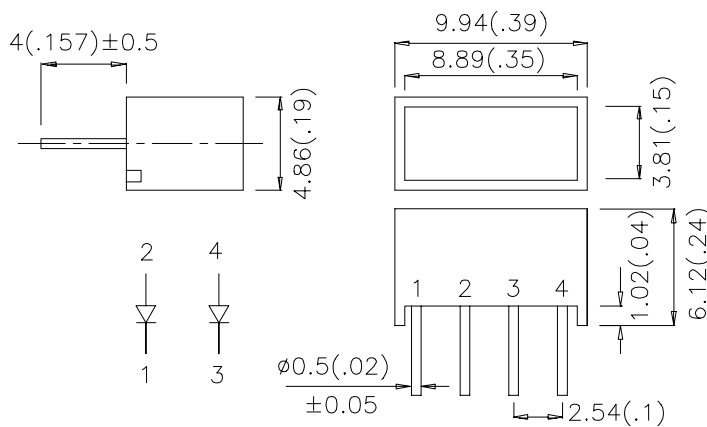
### Features

- UNIFORM LIGHT EMITTING AREA.
- LOW CURRENT OPERATION.
- EASILY MOUNTED ON P.C. BOARDS.
- FLUSH MOUNTABLE.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.

### Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

### Package Dimensions & Internal Circuit Diagram



#### Notes:

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

## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA	
			Min.	Typ.
KB-2400YW	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	8	40

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

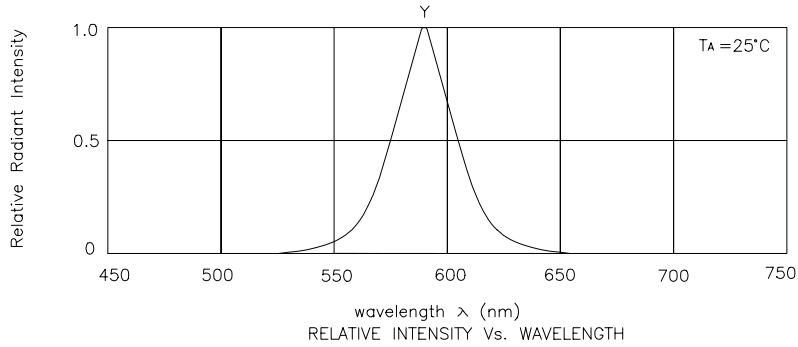
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	Yellow	590		nm	I <sub>F</sub> = 20mA
$\lambda_D$	Dominate Wavelength	Yellow	588		nm	I <sub>F</sub> = 20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	I <sub>F</sub> = 20mA
C	Capacitance	Yellow	20		pF	V <sub>F</sub> = 0V; f = 1MHz
V <sub>F</sub>	Forward Voltage	Yellow	2.1	2.5	V	I <sub>F</sub> = 20mA
I <sub>R</sub>	Reverse Current	Yellow		10	uA	V <sub>R</sub> = 5V

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	Yellow	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

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



**Yellow KB-2400YW**

