

Part Number: WP4060VH/2YD

Yellow

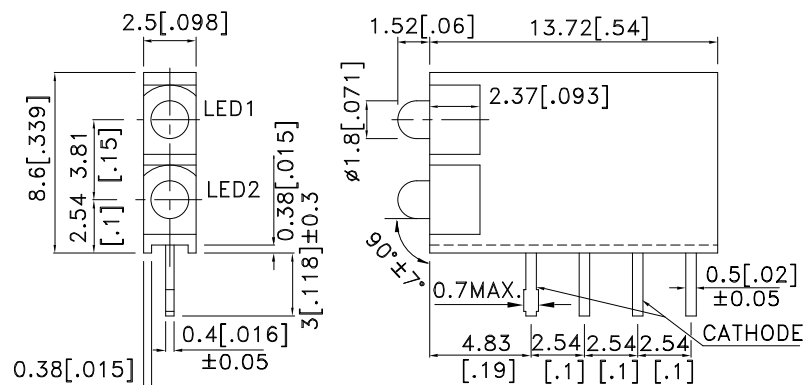
Features

- Pre-trimmed leads for pc mounting.
- Black case enhances contrast ratio.
- Wide viewing angle.
- High reliability life measured in years.
- UL rating: 94V-0.
- Housing material: type 66 nylon.
- RoHS compliant.

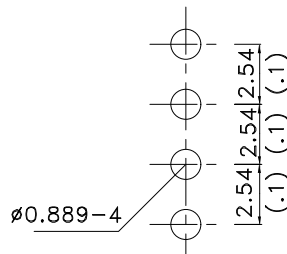
Description

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

Package Dimensions



RECOMMENDED PCB LAYOUT



Notes:

- 1.All dimensions are in millimeters(inches).
- 2.Tolerance is $\pm 0.25(\pm 0.01)$ unless otherwise noted.
- 3.Lead spacing is measured where the leads emerge from the package.
- 4.Specifications are subject to change without notice.



Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
WP4060VH/2YD	Yellow (GaAsP/GaP)	YELLOW DIFFUSED	1.8	5	70°

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	IF=20mA
λD [1]	Dominant Wavelength	Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	IF=20mA
C	Capacitance	Yellow	20		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Yellow	2.1	2.5	V	IF=20mA
IR	Reverse Current	Yellow		10	uA	VR = 5V

Notes:

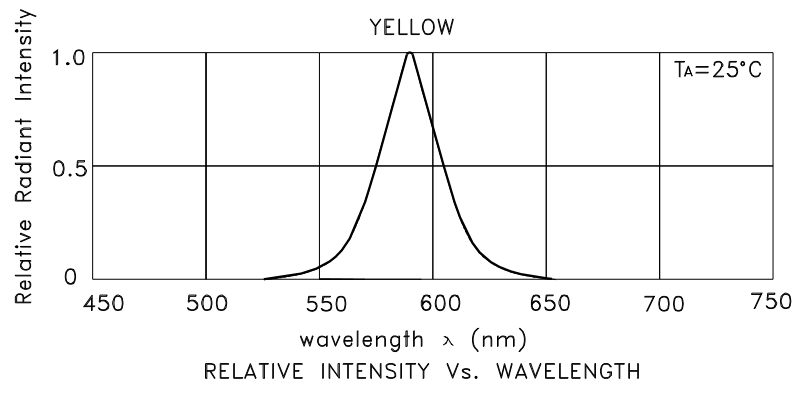
- 1.Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

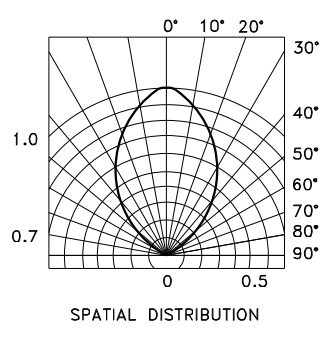
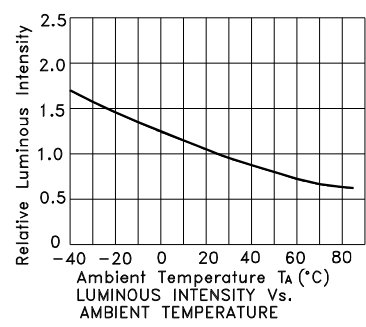
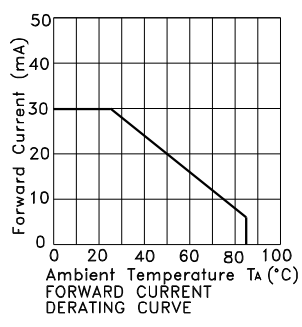
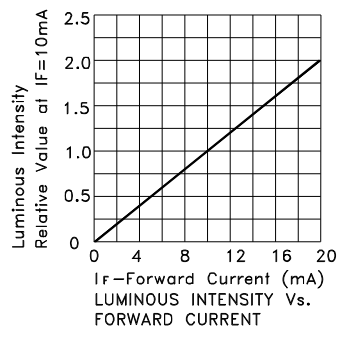
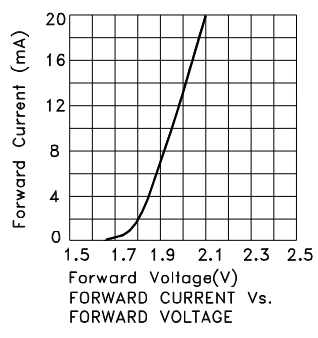
Parameter	Yellow	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 Seconds	
Lead Solder Temperature [3]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.

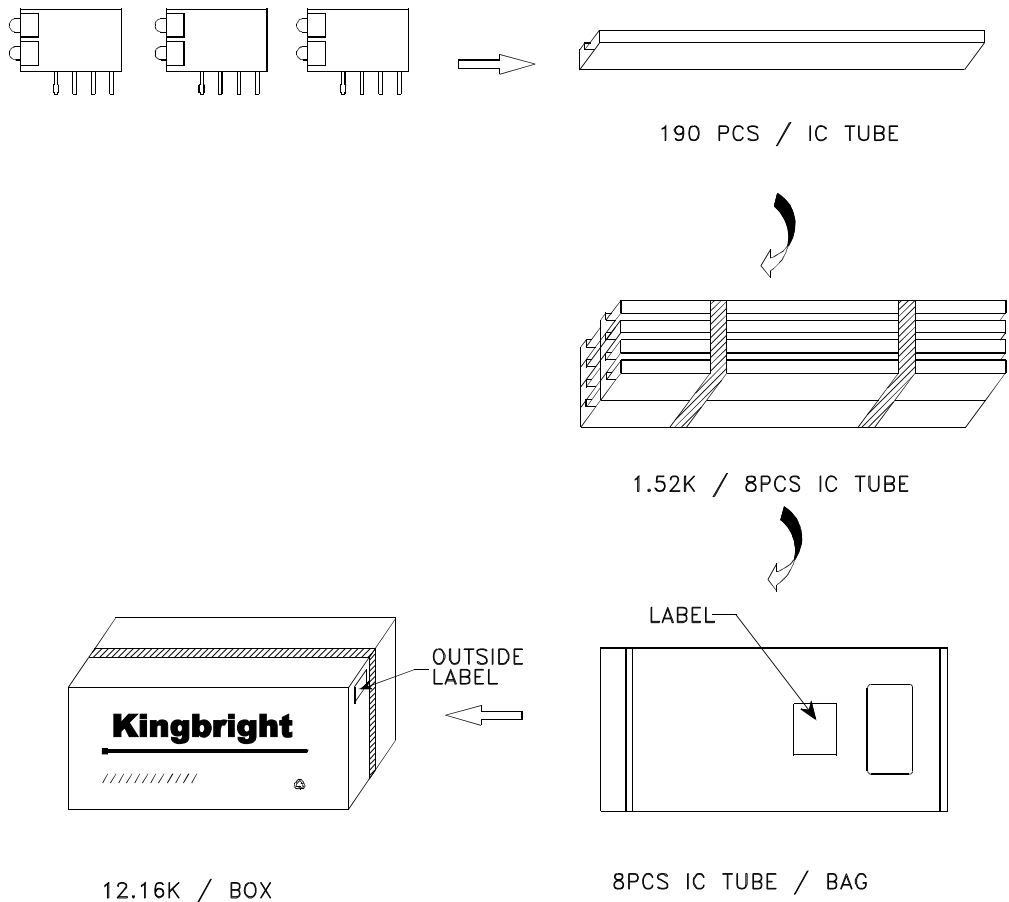



Yellow WP4060VH/2YD



PACKING & LABEL SPECIFICATIONS

WP4060VH/2YD



Kingbright	
P/NO: WP4060VHxxx	
QTY: 1520 pcs	Q.C. Q C
S/N: XXXX	xx xx xxxx
CODE: XXX	PASSED
LOT NO:	
	
RoHS Compliant	