

3.81mmx19.05mm LED LIGHT BAR

Part Number: KB2635EW

High Efficiency Red

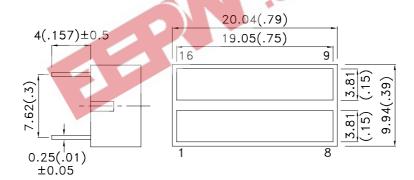
Features

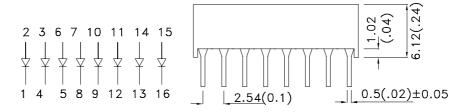
- UNIFORM LIGHT EMITTING AREA.
- LOW CURRENT OPERATION.
- EASILY MOUNTED ON P.C. BOARDS.
- FLUSH MOUNTABLE.
- EXCELLENT ON/OFF CONTRAST.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.
- CATEGORIZED FOR LUMINOUS INTENSITY, YELLOW AND GREEN CATEGORIZED FOR COLOR.
- RoHS COMPLIANT.

Description

The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

Package Dimensions& Internal Circuit Diagram







Specifications are subject to change without notice





 SPEC NO: DSAD1462
 REV NO: V.5
 DATE: MAY/14/2007
 PAGE: 1 OF 4

 APPROVED: WYNEC
 CHECKED: Joe Lee
 DRAWN: Y.L.LI
 ERP: 1334000129

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Selection Guide

	Part No.	Dice	Lens Type	lv (mcd) [1] @ 20mA	
			7,1	Min.	Тур.
•	KB2635EW	High Efficiency Red (GaAsP/GaP)	WHITE DIFFUSED	10	60

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627	4.15	nm	IF=20mA
λD [1]	Dominant Wavelength	High Efficiency Red	625	30	nm	IF=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red	45	William	nm	IF=20mA
С	Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red	2.0	2.5	V	IF=20mA
lR	Reverse Current	High Efficiency Red		10	uA	V _R =5V

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

Absolute Maximum Ratings at TA=25°C

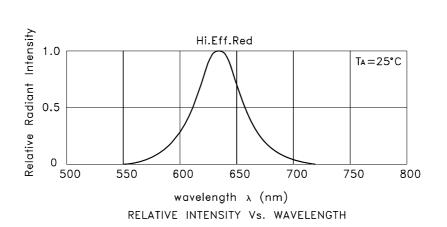
Parameter	High Efficiency Red	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	160	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature[2]	260°C For 3-5 Seconds		

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

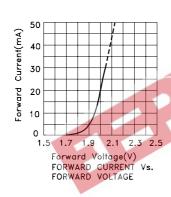
SPEC NO: DSAD1462 **REV NO: V.5** DATE: MAY/14/2007 PAGE: 2 OF 4 APPROVED: WYNEC **CHECKED:** Joe Lee DRAWN: Y.L.LI ERP: 1334000129

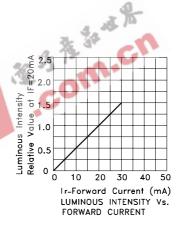
^{1.} Luminous intensity/ luminous Flux: +/-15%.

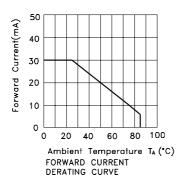
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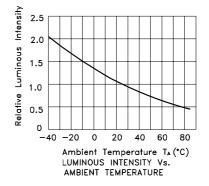


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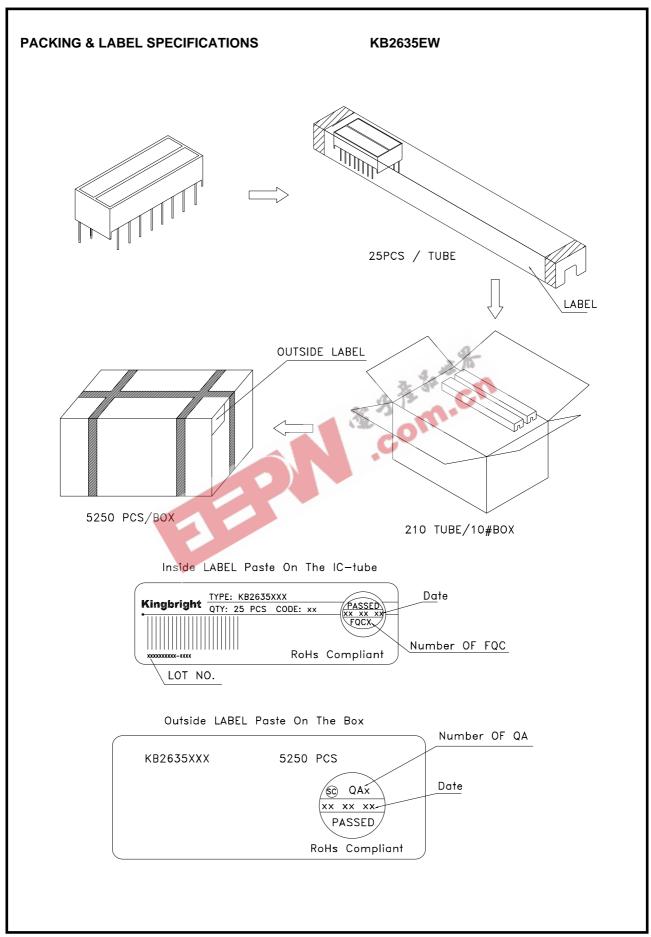




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