

T-1 3/4 (5mm) RIGHT ANGLE LED INDICATOR

Part Number: WP1503CB/ID

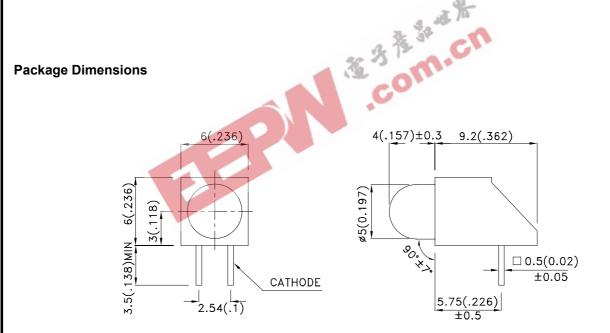
High Efficiency Red

Features

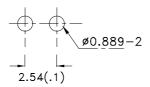
- LOW POWER CONSUMPTION.
- VERSATILE MOUNTING ON P.C. BOARD OR PANEL.
- T-1 3/4 DIAMETER FLANGELESS PACKAGE.
- RELIABLE AND RUGGED.
- UL RATING: 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.
- RoHS COMPLIANT.

Description

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







- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25(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.





SPEC NO: DSAF2062 **REV NO: V.2** APPROVED: WYNEC **CHECKED: Allen Liu** DATE: MAY/21/2007 DRAWN: Y.L.LI

PAGE: 1 OF 4 ERP: 1102000590

Kingbright

Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]
		,,	Min.	Тур.	201/2
WP1503CB/ID	High Efficiency Red (GaAsP/GaP)	RED DIFFUSED	8	30	60°

Notes:

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

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627	4.16	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	Wie	nm	IF=20mA
С	Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red	2	2.5	V	IF=20mA
lR	Reverse Current	High Efficiency Red		10	uA	VR = 5V

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

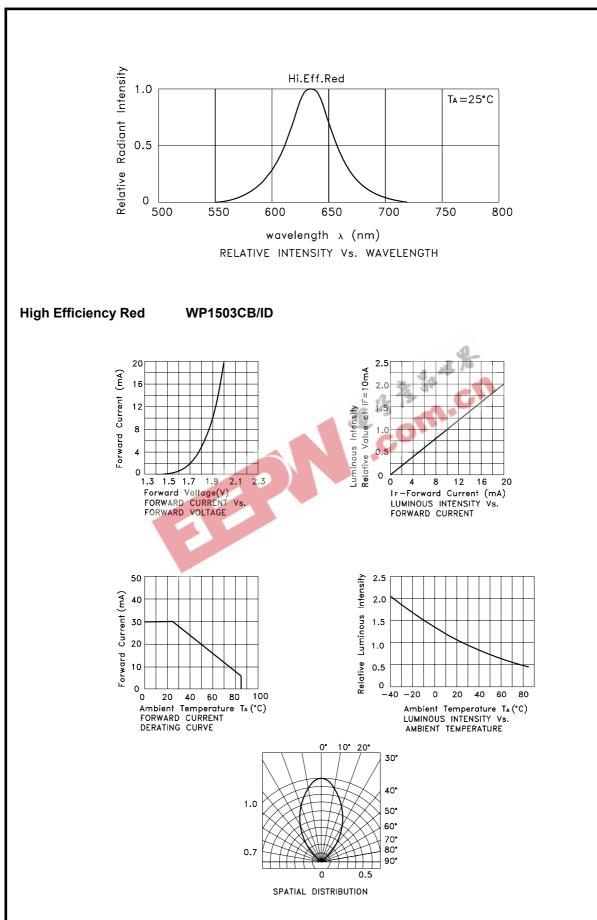
Absolute Maximum Ratings at TA=25°C

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 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

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

PAGE: 2 OF 4 SPEC NO: DSAF2062 **REV NO: V.2 DATE: MAY/21/2007** APPROVED: WYNEC **CHECKED: Allen Liu** DRAWN: Y.L.LI ERP: 1102000590

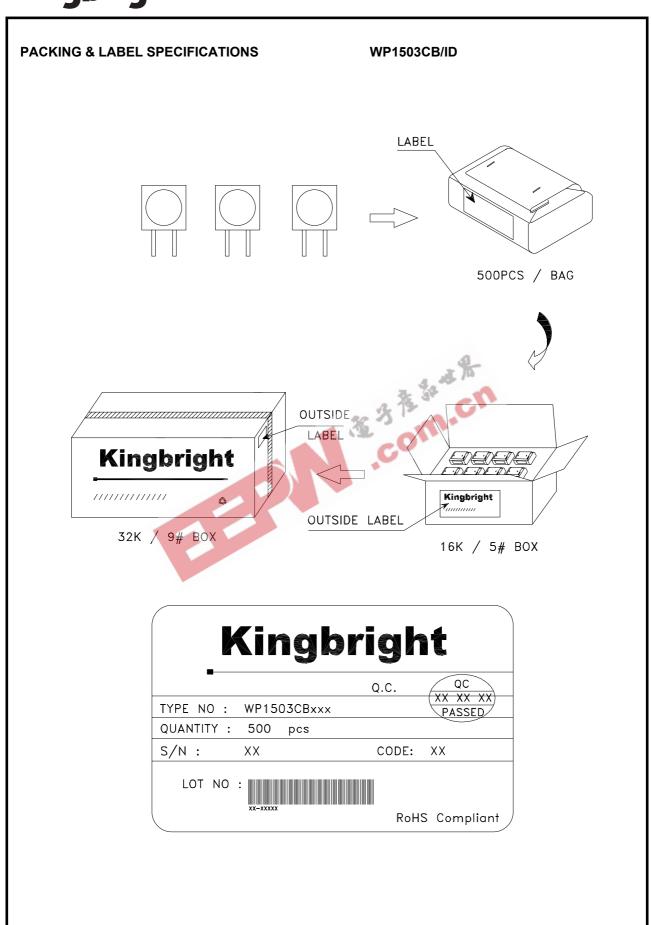
Kingbright



 SPEC NO: DSAF2062
 REV NO: V.2
 DATE: MAY/21/2007
 PAGE: 3 OF 4

 APPROVED: WYNEC
 CHECKED: Allen Liu
 DRAWN: Y.L.LI
 ERP: 1102000590

Kingbright



SPEC NO: DSAF2062 APPROVED: WYNEC REV NO: V.2 CHECKED: Allen Liu DATE: MAY/21/2007 DRAWN: Y.L.LI PAGE: 4 OF 4 ERP: 1102000590