

4.8mm BI-LEVEL LED INDICATOR

Part Number: WP73EB/2SRDA Super Bright Red

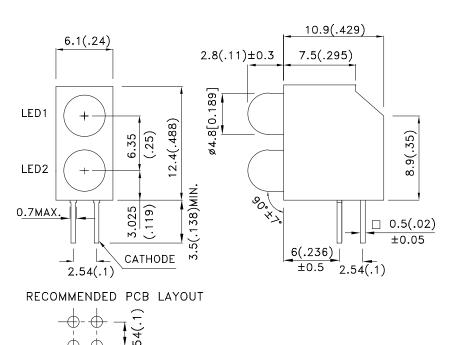
Features

- PRE-TRIMMED LEADS FOR PC BOARD MOUNTING.
- COLORS CAN BE MIXED IN A SINGLE HOUSING.
- I.C. COMPATIBLE.
- 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 Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions





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

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PAGE: 1 OF 4 SPEC NO: DSAF2086 **REV NO: V.2** DATE: MAY/21/2007 APPROVED: WYNEC **CHECKED: Allen Liu** DRAWN: Y.L.LI ERP: 1102001998

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
		,	Min.	Тур.	201/2
WP73EB/2SRDA	Super Bright Red (GaAlAs)	RED DIFFUSED	110	300	60°

- 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	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Red	660		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	I=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=20mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Red	1.85	2.5	V	I=20mA
lR	Reverse Current	Super Bright Red		10	uA	VR = 5V

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

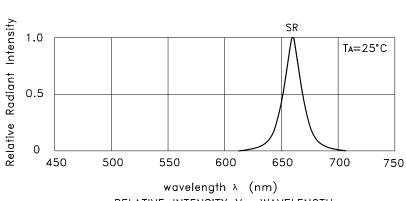
Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	155	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.
 3. 5mm below package base.

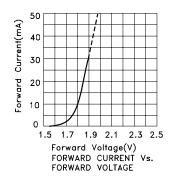
SPEC NO: DSAF2086 **REV NO: V.2** DATE: MAY/21/2007 PAGE: 2 OF 4 APPROVED: WYNEC **CHECKED: Allen Liu** DRAWN: Y.L.LI ERP: 1102001998

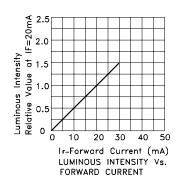
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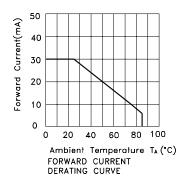


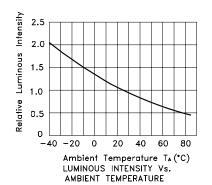
RELATIVE INTENSITY Vs. WAVELENGTH

Super Bright Red WP73EB/2SRDA





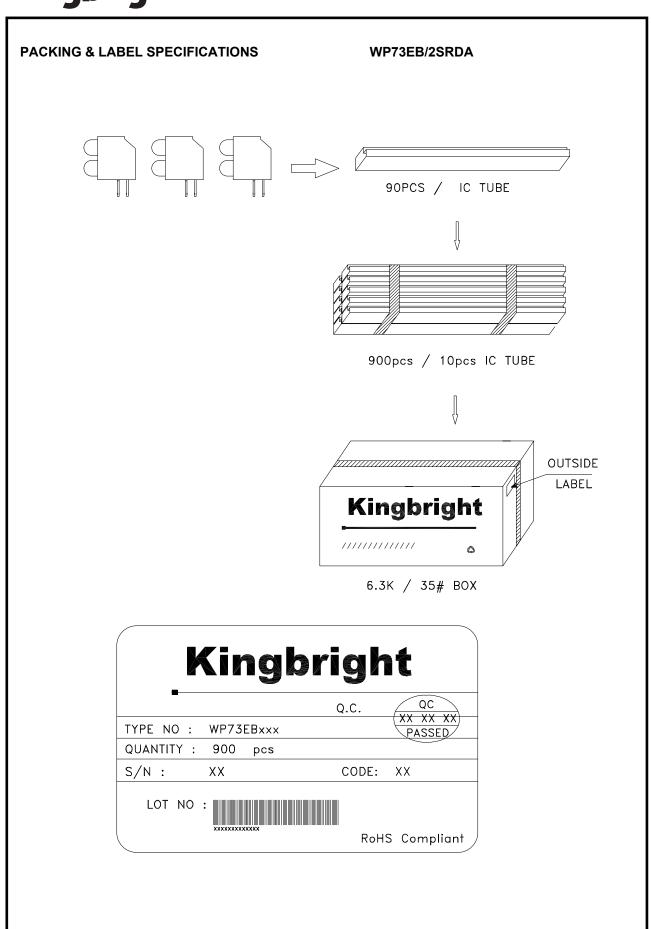




30° 1.0 70° 80 0.7 90° SPATIAL DISTRIBUTION

SPEC NO: DSAF2086 **REV NO: V.2 DATE: MAY/21/2007** PAGE: 3 OF 4 APPROVED: WYNEC **CHECKED: Allen Liu** ERP: 1102001998 DRAWN: Y.L.LI

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SPEC NO: DSAF2086 APPROVED: WYNEC REV NO: V.2 CHECKED: Allen Liu DATE: MAY/21/2007 DRAWN: Y.L.LI PAGE: 4 OF 4 ERP: 1102001998