### 4.8mm BI-LEVEL LED INDICATOR

Part Number: L-73EB/2IDA

High Efficiency Red

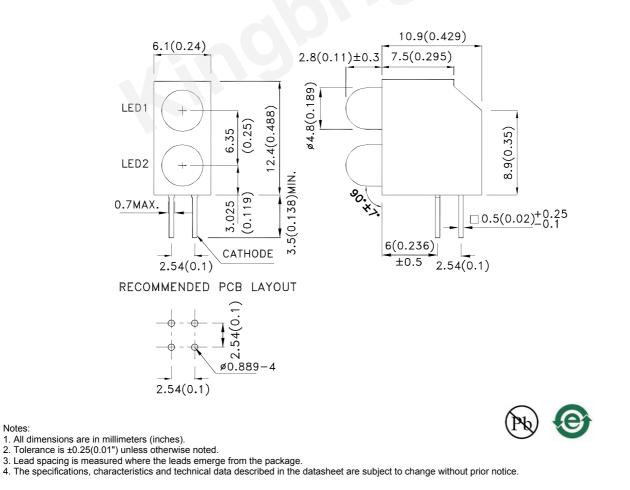
#### **Features**

- Pre-trimmed leads for pc board mounting.
- Colors can be mixed in a single housing.
- Black case enhances contrast ratio.
- Wide viewing angle.
- High reliability life measured in years.
- Housing 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.

#### **Package Dimensions**



SPEC NO: DSAE7342 **APPROVED: WYNEC** 

Notes:

**REV NO: V.9A CHECKED: Allen Liu** 

DATE: SEP/05/2013 DRAWN: Y.Liu

PAGE: 1 OF 5 ERP: 1102001996

## Solaction Guida

		lv (mcd) [2] @ 10mA		Viewing Angle [1]	
Part No.	Dice	Lens Type	Min.	Тур.	201/2
L-73EB/2IDA	High Efficiency Red (GaAsP/GaP)	Red Diffused	15	40	60°
			*8	*20	

Notes:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

2. Luminous intensity/ luminous Flux: +/-15%.

\*Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

#### Electrical / Optical Characteristics at TA=25°C

De els Marcelese ette			1		
Peak Wavelength	High Efficiency Red	627		nm	I⊧=20mA
Dominant Wavelength	High Efficiency Red	617		nm	I⊧=20mA
pectral Line Half-width	High Efficiency Red	45		nm	I⊧=20mA
Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
Forward Voltage	High Efficiency Red	2	2.5	V	I⊧=20mA
Reverse Current	High Efficiency Red		10	uA	VR = 5V
	cectral Line Half-width Capacitance Forward Voltage	opectral Line Half-width High Efficiency Red   Capacitance High Efficiency Red   Forward Voltage High Efficiency Red	Dectral Line Half-width High Efficiency Red 45   Capacitance High Efficiency Red 15   Forward Voltage High Efficiency Red 2	Dectral Line Half-width High Efficiency Red 45   Capacitance High Efficiency Red 15   Forward Voltage High Efficiency Red 2 2.5	Dectral Line Half-width   High Efficiency Red   45   nm     Capacitance   High Efficiency Red   15   pF     Forward Voltage   High Efficiency Red   2   2.5   V

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

3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

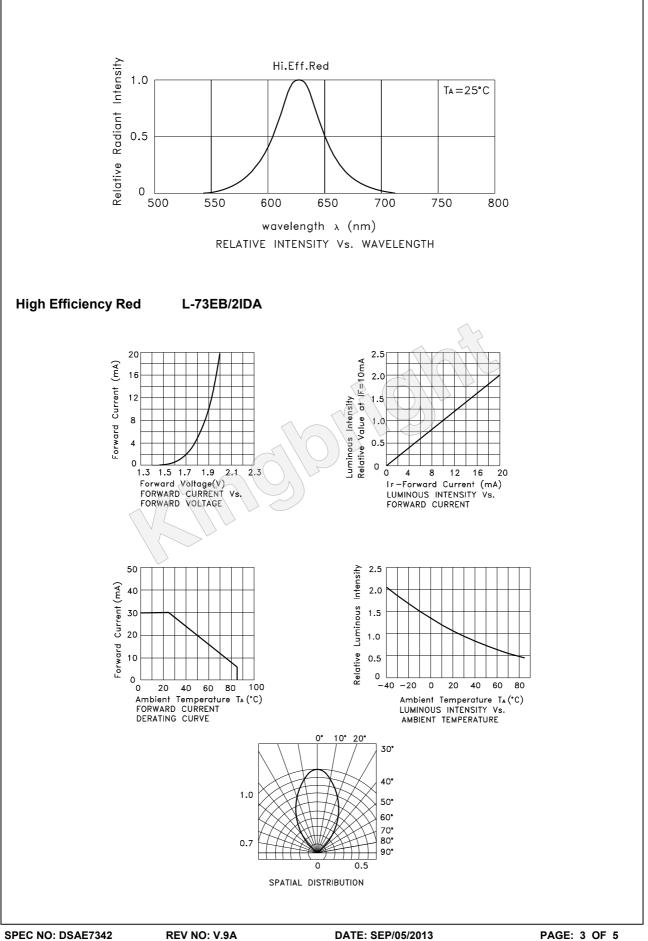
#### Absolute Maximum Ratings at TA=25°C

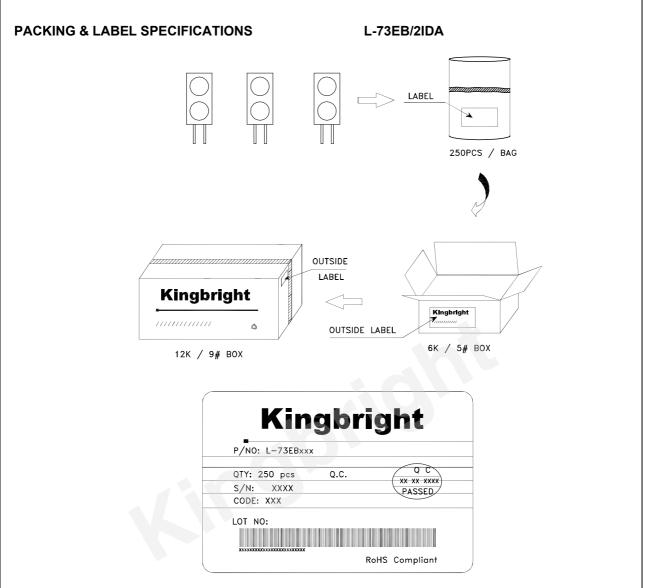
High Efficiency Red	Units		
75	mW		
30	mA		
160	mA		
5	V		
-40°C To +85°C			
260°C For 3 Seconds			
260°C For 5 Seconds			
	75 30 160 5 -40°C To +85°C 260°C For 3 Seconds		

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.
3. 5mm below package base.





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### PRECAUTIONS

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead-forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures.

