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Kingbright WP1533AA/ID14V-W152

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Distributor of Kingbright: Excellent Integrated System Limited Datasheet of WP1533AA/ID14V-W152 - LED 4.7MM 627NM RED 6"LD PNL MNT Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Kingbright



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- Outstanding material efficiency.
- Reliable and rugged.
- Low current capability.
- Housing UL rating: 94V-0.
- Housing material: type 66 nylon.
- 14V internal resistor.
- RoHS compliant.

4.7mm HOUSING FOR LED LAMP WITH WIRE

Part Number: WP1533AA/ID14V-W152

High Efficiency Red

Description

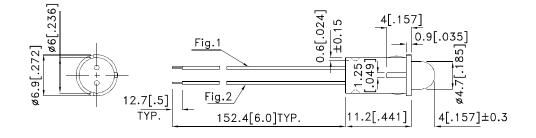
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

Static electricity and surge damage the LEDS.

It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions Fig.1 : ANODE LEAD :RED INSULATION LEAD ,24 AWG ,UL#1007,Ø1.45mm, TINNED OVERCOATED WIRE , STRIP 12.7mm. Fig. 2 : CATHODE LEAD :BLACK INSULATION LEAD ,24 AWG,UL#1007 ,Ø1.45mm, TINNED OVERCOATED WIRE , STRIP 12.7mm. Fig.3 : STAKING TO FIX THE HOLDER AND LED .



Remark: Recommended panel mount hole diameter φ =6.30-6.35mm; panel thickness 1.0mm.

Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is ±0.25(0.01") unless otherwise noted.

Lead spacing is measured where the leads emerge from the package.
The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.





Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] V= 14V		Viewing Angle [1]	
			Min.	Тур.	201/2	
WP1533AA/ID14V-W152 High Efficiency Red (GaAsP/GaP) Red Diffus		15	50	- 60°		
		Rea Dinusea	*8	*25	60	

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity/ luminous Flux: +/-15%.
* Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627		nm	VF=14V
λD [1]	Dominant Wavelength	High Efficiency Red	617		nm	VF=14V
Δλ1/2	Spectral Line Half-width	High Efficiency Red	45		nm	VF=14V
lf	Forward Current	High Efficiency Red	10.5	13.5	mA	VF=14V
IR	Reverse Current	High Efficiency Red		10	uA	VR = 5V

Notes:

1.Wavelength: +/-1nm.

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

Absolute Maximum Ratings at TA=25°C

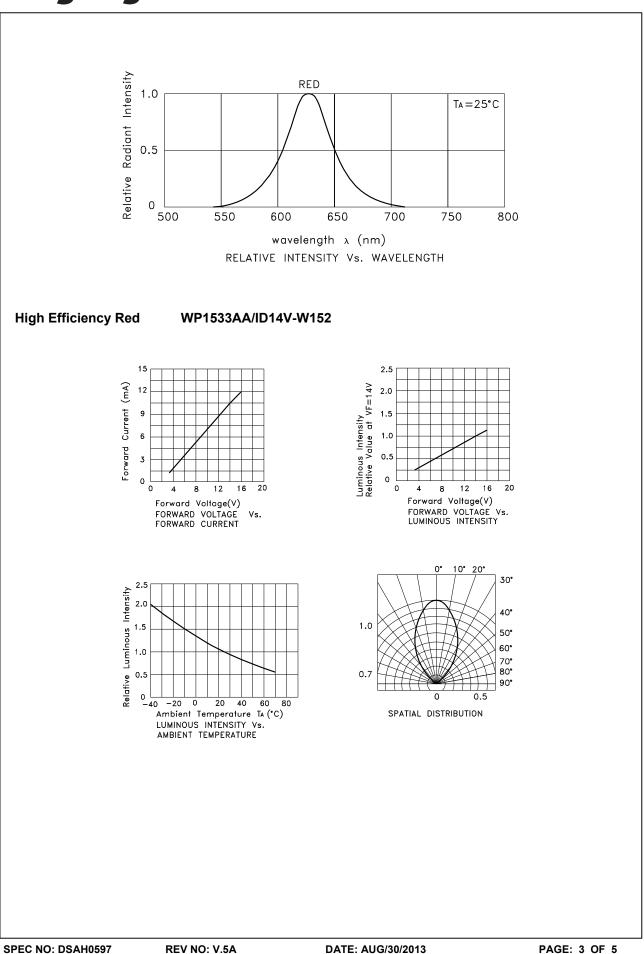
Parameter	High Efficiency Red	Units	
Power dissipation	160	mW	
Forward Voltage	16	V	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +70°C		
Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [1]	260°C For 3 Seconds		
Lead Solder Temperature [2]	260°C For 5 Seconds		

Notes:

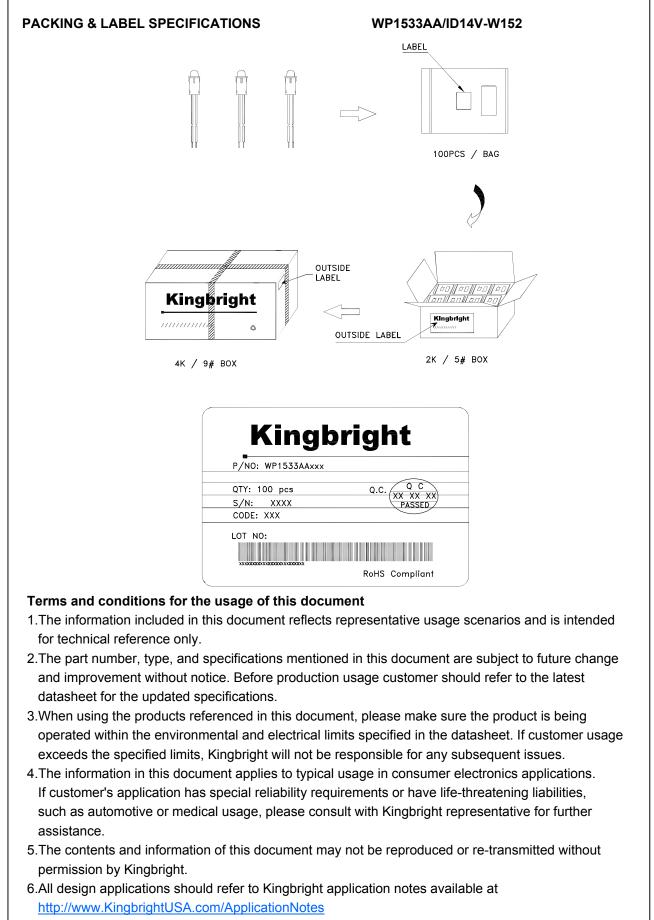
1. 2mm below package base.

2. 5mm below package base.









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