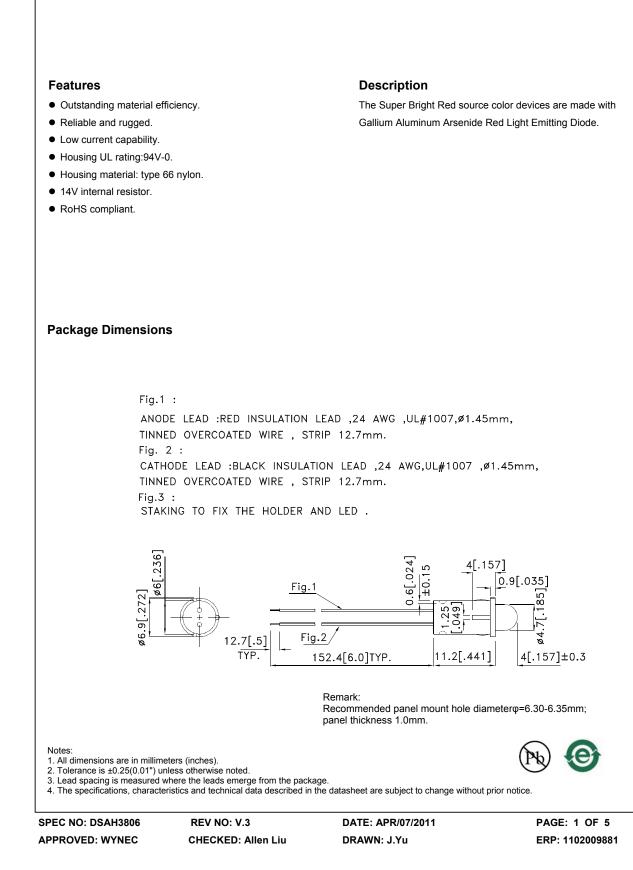
4.7mm HOUSING FOR LED LAMP WITH WIRE

Part Number: WP1533AA/SRD14V-W152

Super Bright Red



Downloaded from **Elcodis.com** electronic components distributor

Selection Guide									
Part No.	Dice	Lens Type	lv (mcd) [2] V= 14V		Viewing Angle [1]				
			Min.	Тур.	201/2				
WP1533AA/SRD14V-W152	Super Bright Red (GaAlAs)	Red Diffused	150	300	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%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Red	660		nm	VF=14V
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	VF=14V
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	VF=14V
lf	Forward Current	Super Bright Red	10.5	13.5	mA	VF=14V
lr	Reverse Current	Super Bright Red		10	uA	VR = 5V

Note: 1.Wavelength: +/-1nm.

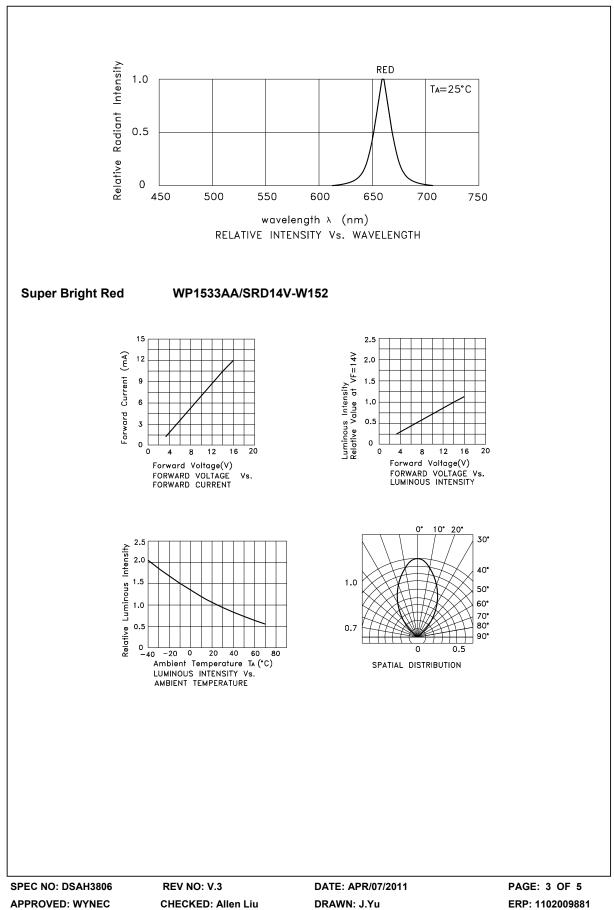
Absolute Maximum Ratings at TA=25°C

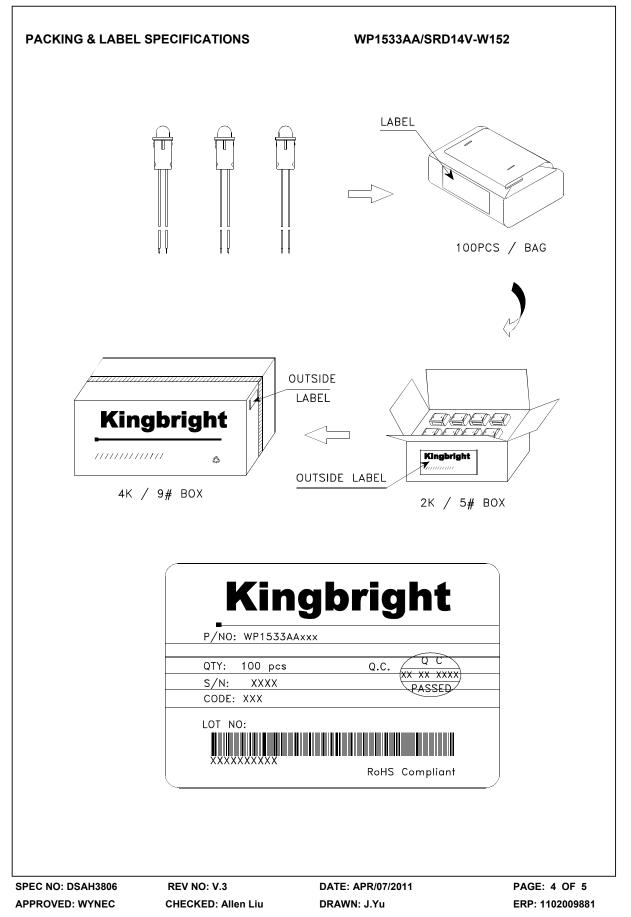
Parameter	Super Bright Red	Units	
Power dissipation	160	mW	
Forward Voltage	16	V	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +70°C		
Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [1]	260°C For 3 Seconds		
Lead Solder Temperature [2]	260°C For 5 Seconds		
Notes: 1. 2mm below package base. 2. 5mm below package base.			

SPEC NO: DSAH3806 APPROVED: WYNEC

REV NO: V.3 CHECKED: Allen Liu DATE: APR/07/2011 DRAWN: J.Yu

PAGE: 2 OF 5 ERP: 1102009881





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.

