T-1 (3mm) RIGHT ANGLE LED INDICATOR

Part Number: L-710A8CB/1SRD Super Bright Red

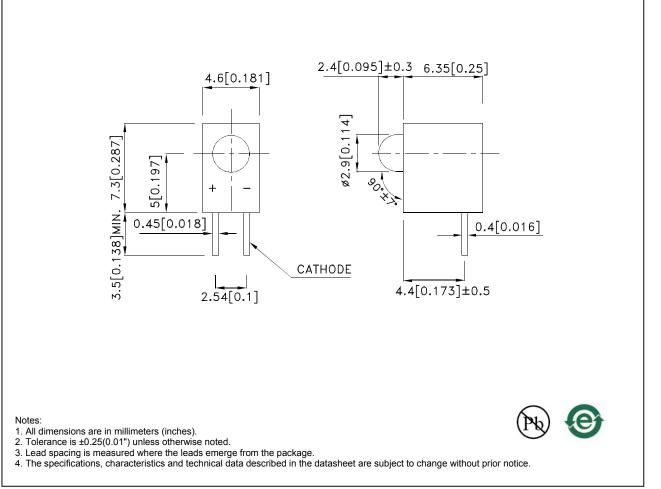
Features

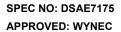
- Pre-trimmed leads for pc mounting.
- Black case enhances contrast ratio.
- Wide viewing angle.
- High reliability life measured in years.
- Housing UL rating:94V-0.
- Housing material: type 66 nylon.
- RoHS compliant.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions





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Solaction Guida

Selection Guide							
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]		
			Min.	Тур.	201/2		
L-710A8CB/1SRD	Super Pright Pod (CoAlAs)	Red Diffused	180	350	40°		
	Super Bright Red (GaAlAs)	Reu Dinuseu	*40	*80			

Notes:

1. θ 1/2 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	Super Bright Red	660	*655		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Red	640	*640		nm	IF=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

Notes:

1.Wavelength: +/-1nm.

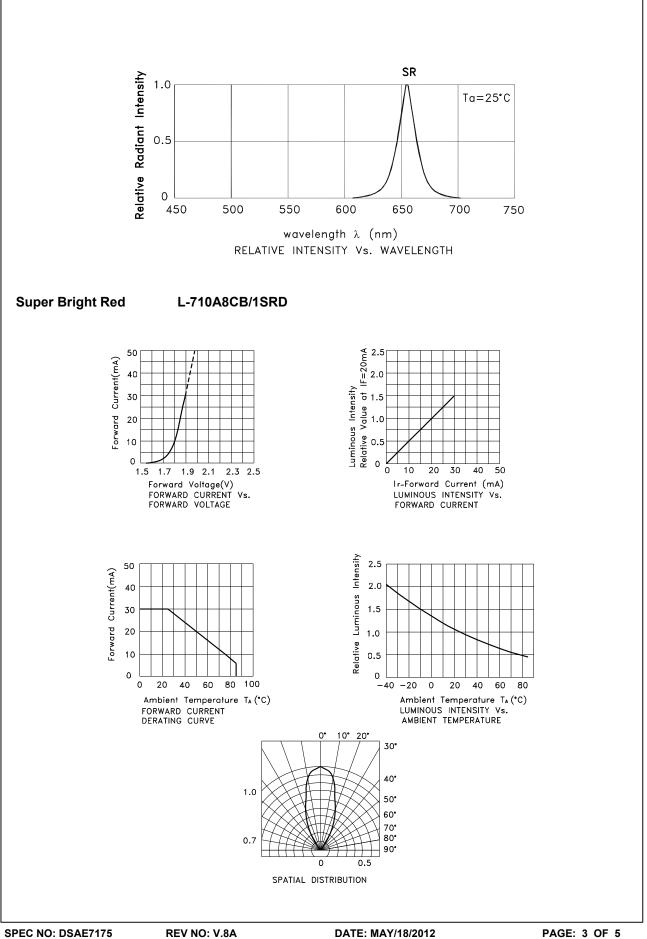
2. Forward Voltage: +/-0.1V. *Wavelength value is traceable to the CIE127-2007 compliant national standards.

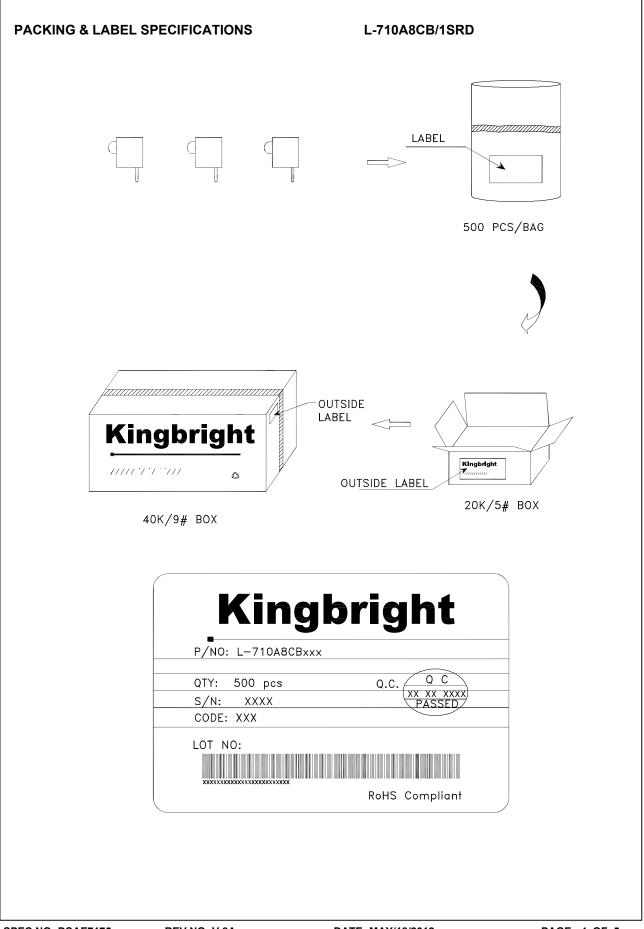
Absolute Maximum Ratings at TA=25°C

Super Bright Red	Units		
75	mW		
30	mA		
155	mA		
5	V		
-40°C To +85°C			
260°C For 3 Seconds			
260°C For 5 Seconds			
	75 30 155 5 -40°C To +85°C 260°C For 3 Seconds		

Notes:

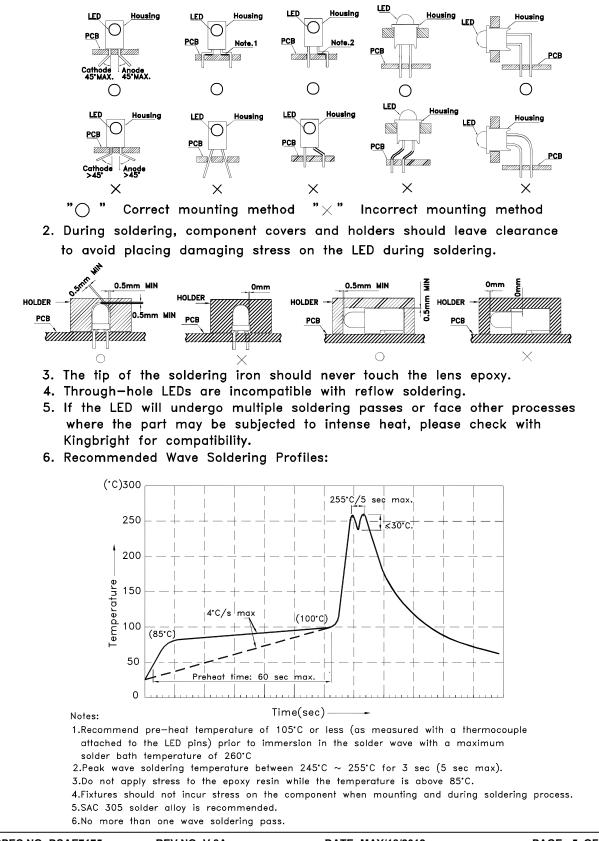
1.1/10 Duty Cycle, 0.1ms Pulse Width.
2.2mm below package base.
3.5mm below package base.





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.



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