T-1 (3mm) SOLID STATE LAMP

Super Bright Red Part Number: L-7104SRC-J4

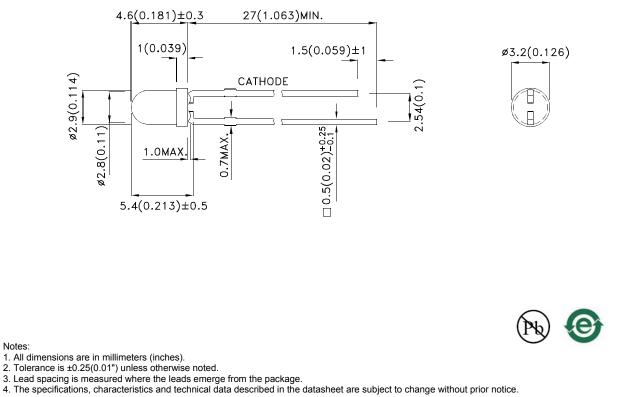
Features

- Low power consumption.
- Popular T-1 diameter package.
- General purpose leads.
- Reliable and rugged.
- Long life solid state reliability.
- Available on tape and reel.
- RoHS compliant.

Description

The Super Bright Red source color devices are made with AlGaInP on Si substrate Light Emitting Diode.

Package Dimensions



PAGE: 1 OF 6 ERP: 1101032239

Salaatian Cuida

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
L-7104SRC-J4	Super Bright Red (AlGaInP)	Water Clear	3100	4500	34°
		Water Clear	*1000	*1500	

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		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	I⊧=20mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Red	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Super Bright Red		10	uA	Vr = 5V

Notes:

Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

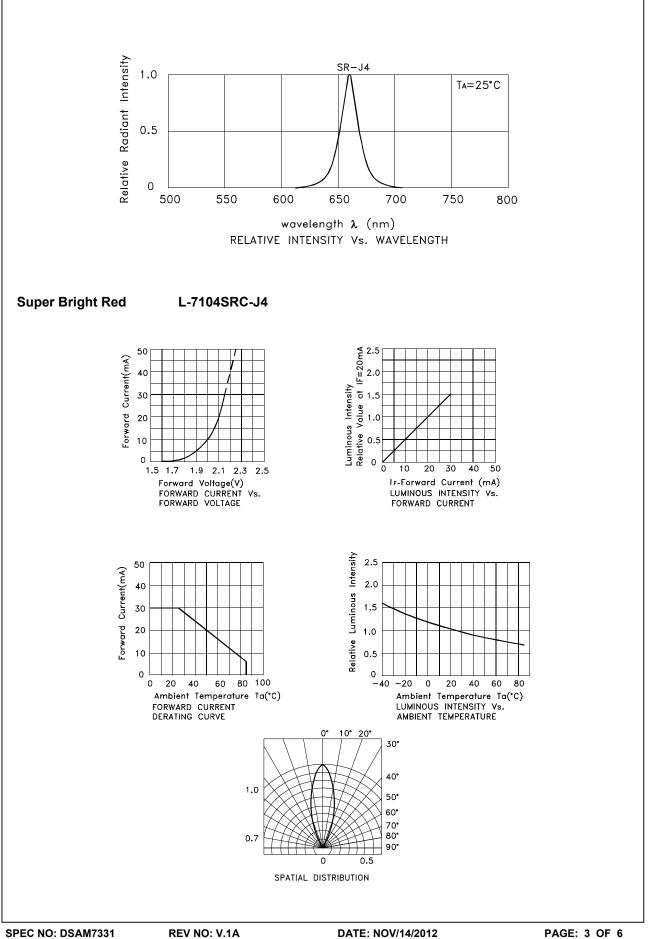
Absolute Maximum Ratings at TA=25°C

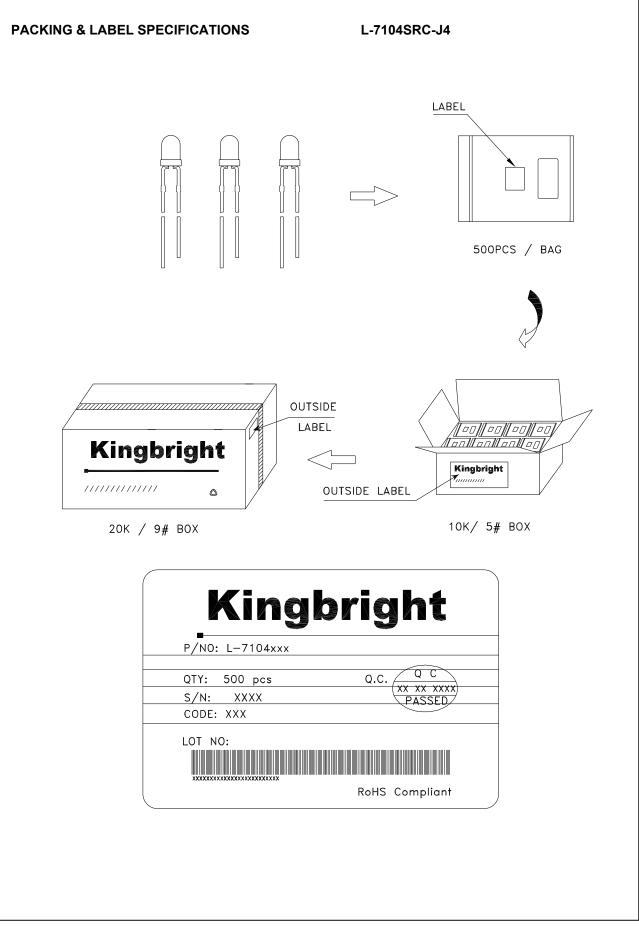
Super Bright Red		
75	mW	
30	mA	
150	mA	
5	V	
-40°C To +85°C		
260°C For 3 Seconds		
260°C For 5 Seconds		
	75 30 150 5 -40°C To +85°C 260°C For 3 Seconds	

Notes:

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

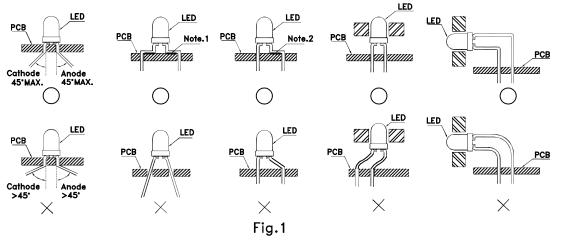
2. 2mm below package base.
3. 5mm below package base.





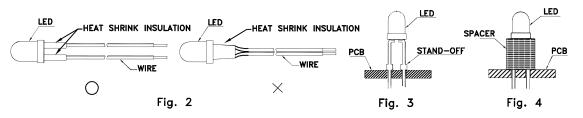
PRECAUTIONS

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. (Fig. 1)

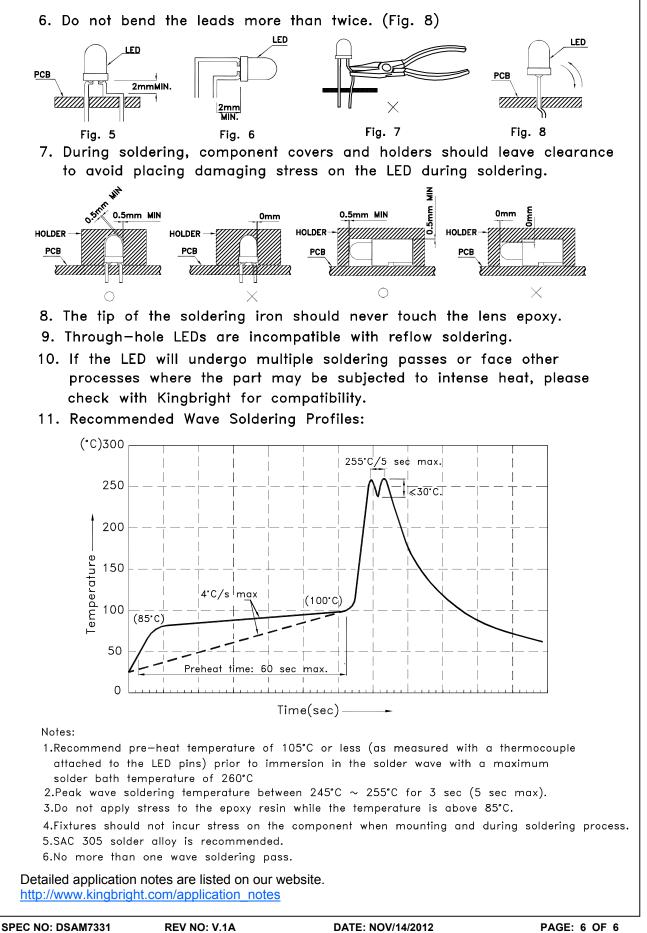


" \bigcirc " Correct mounting method "imes" Incorrect mounting method

- 2. When soldering wire to the LED, use individual heat-shrink tubing to insulate the exposed leads to prevent accidental contact short-circuit. (Fig.2)
- 3. Use stand-offs (Fig.3) or spacers (Fig.4) to securely position the LED above the PCB.



- 4. Maintain a minimum of 2mm clearance between the base of the LED lens and the first lead bend. (Fig. 5 and 6)
- 5. During lead forming, use tools or jigs to hold the leads securely so that the bending force will not be transmitted to the LED lens and its internal structures. Do not perform lead forming once the component has been mounted onto the PCB. (Fig. 7)



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Standard LEDs - Through Hole category:

Click to view products by Kingbright manufacturer:

Other Similar products are found below :

LTL-10254W LTL-1214A LTL-1BEDJ LTL-2231AT LTL-3251A LTL-4262N LTL-5234 LTL87HTBK LTW-87HD4B 7383/V7C3-BSTA-L/PR3/MS HLMP-AG64-X10ZZ HLMP-EG1A-Z10DV HLMP-EL3B-WXKDD HLMP-HB74-UVBDD HLMP-HG65-VY0DD HLMP-HM74-34CDD HLMP-HM75-34CDD 1L0532V23G0TD001 NSPW500CS C4SMA-BGF-CQ34Q3C2 L53GC13 264-7SURTS530-A3 L-C150JRCT S4SMS-BJF-CQ42QGF2 S4SMS-GJF-CW12QMF2 LD CQDP-1U3U-W5-1-K L0566UHR3-70G-A3 SLA560WBD2PT3 LP379PPG1C0G0300001 SLR-322MCT32 SLR-342DUT32 SLR-342MC3F SLR343BC7TT32 SLR343BCTT32 SLX-LX3044GD SLX-LX3044ID SLX-LX3044YD 1.90690.3330000 SSL-LX20483ID SSL-LX3034YD SSL-LX5093LGT-11 SSL-LX5093PGC SSL-LX5093SRC/F SSL-LX5093SYT SSL-LX509E3SIT SSL-LX509FT3ID SSL-LX50FT3GD SSS-LX4673ID-410B 1L0532Y24I0TD001 264-7SYGD/S530-E2