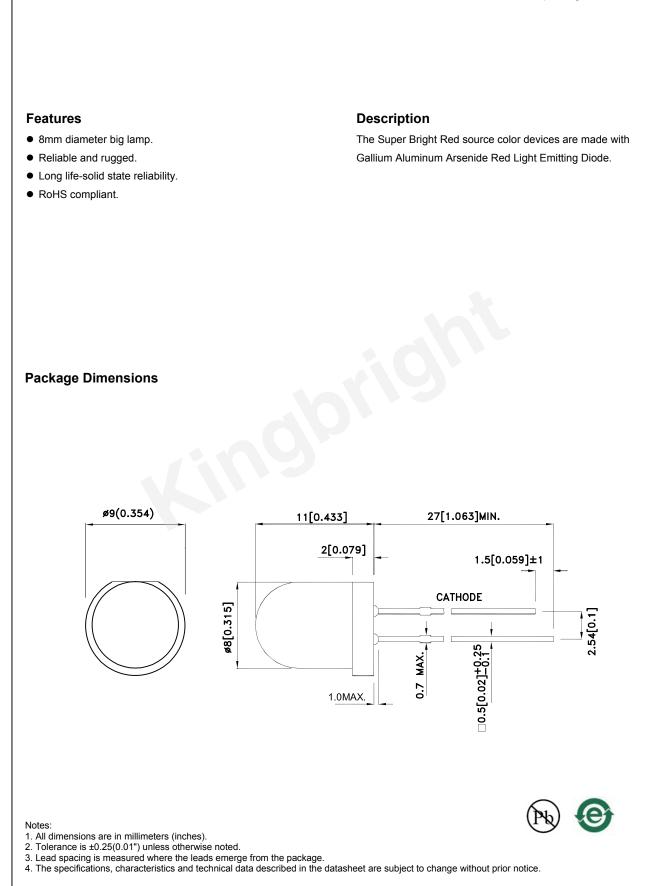
# Kingbright

### 8mm ROUND LED LAMP

Part Number: L-793SRD-E Super Bright Red



REV NO: V.8A CHECKED: Allen Liu DATE: APR/16/2013 DRAWN: F.Cui

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## **Kingbright**

#### Salastian Cuida

Part No.			lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
L-793SRD-E	Super Bright Red (GaAlAs)	Red Diffused	380	500	30°
L-7935RD-E		Rea Dillusea	*140	*180	

Notes:

1.  $\theta$ 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	655		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	1.85	2.5	V	I⊧=20mA
IR	Reverse Current	Super Bright Red		10	uA	VR = 5V

1.Wavelength: +/-1nm.

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			
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.

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