### 8mm (0.32INCH) SINGLE DIGIT NUMERIC DIS-PLAY

Part Number: SA32-11SRWA

Super Bright Red

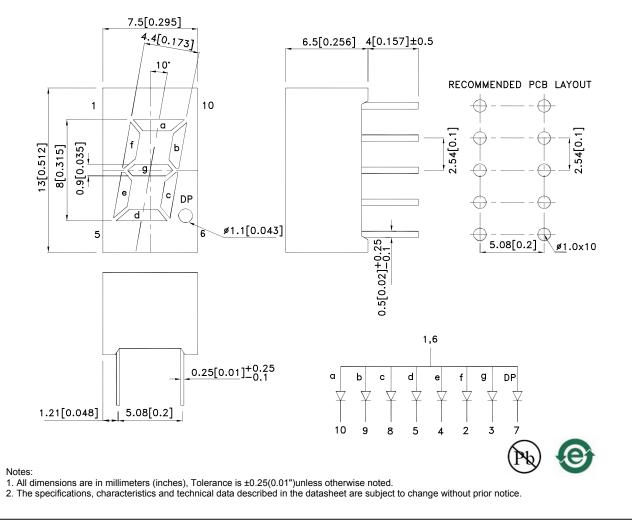
### **Features**

- 0.32 inch digit height.
- Low current operation.
- Excellent character appearance.
- High light output.
- Easy mounting on P.C. boards or sockets.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

#### Description

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

### Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAB4361 **APPROVED: WYNEC** 

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Selection Guide	-				
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
			14000	31000	Common Anode,
SA32-11SRWA	Super Bright Red (GaAlAs)	White Diffused	*3600	*8000	Rt.Hand Decimal.

Note:

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

Notes:

1.Wavelength: +/-1nm.

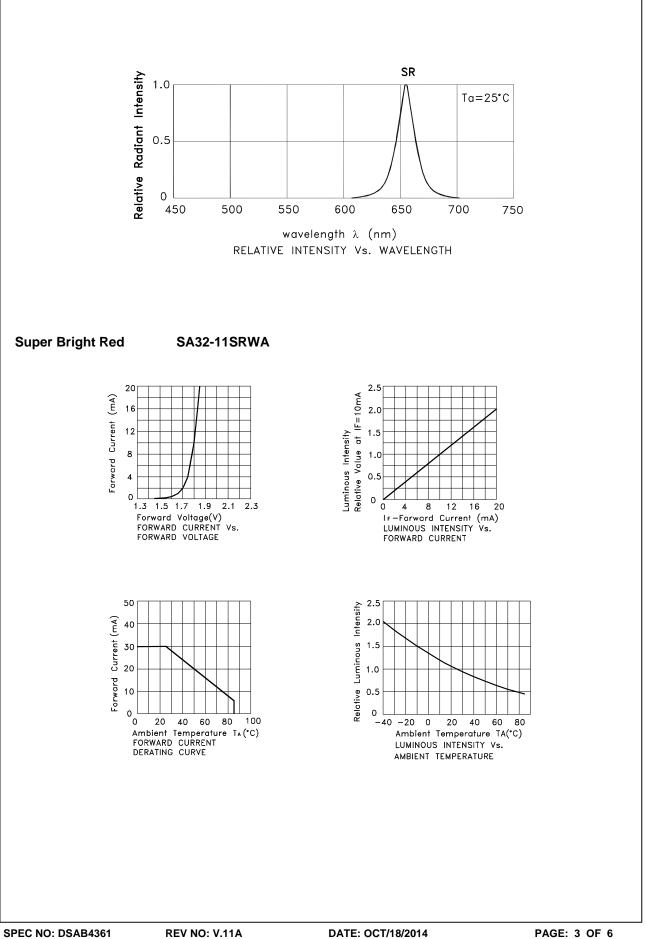
Yaveleight, Yamin.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.
Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

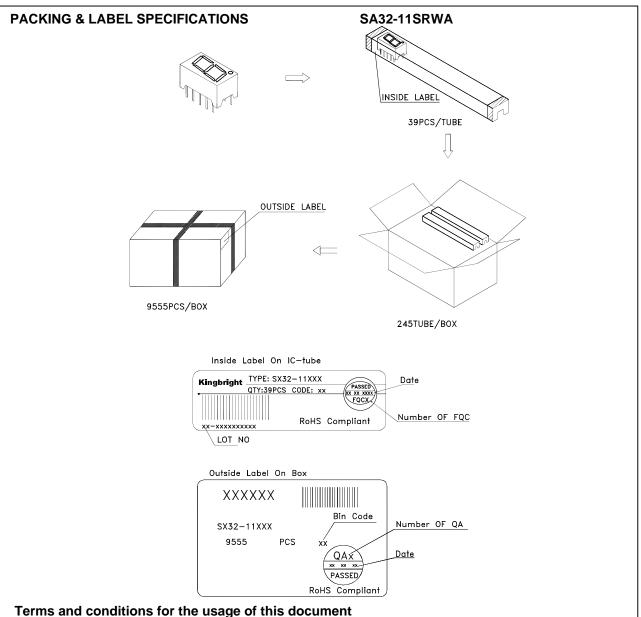
#### Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	155	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	verating / Storage Temperature -40°C To +85°C			
Lead Solder Temperature[2]	rature[2] 260°C For 3-5 Seconds			

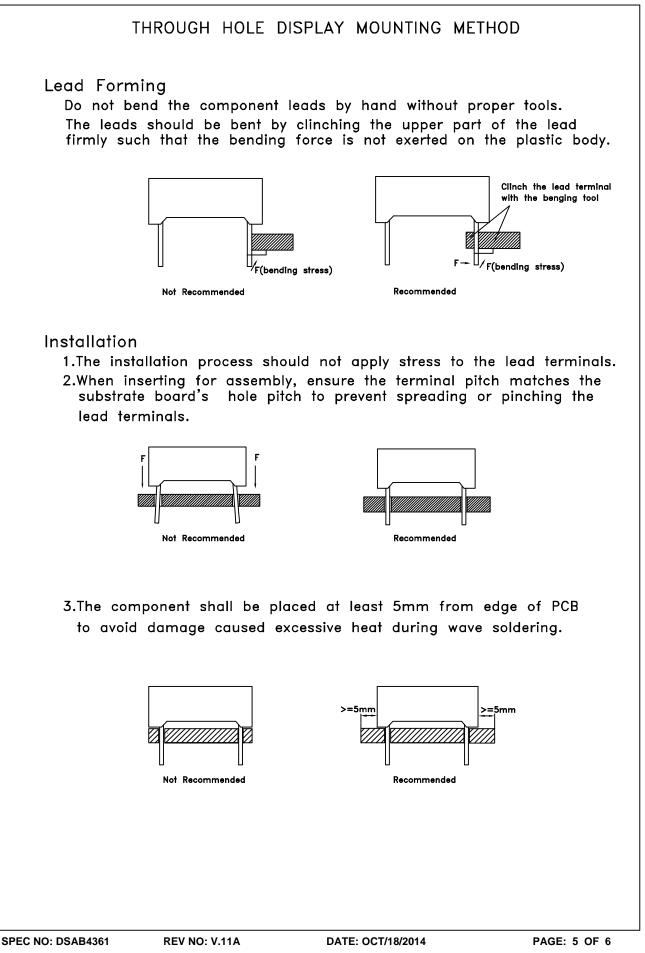
Notes:

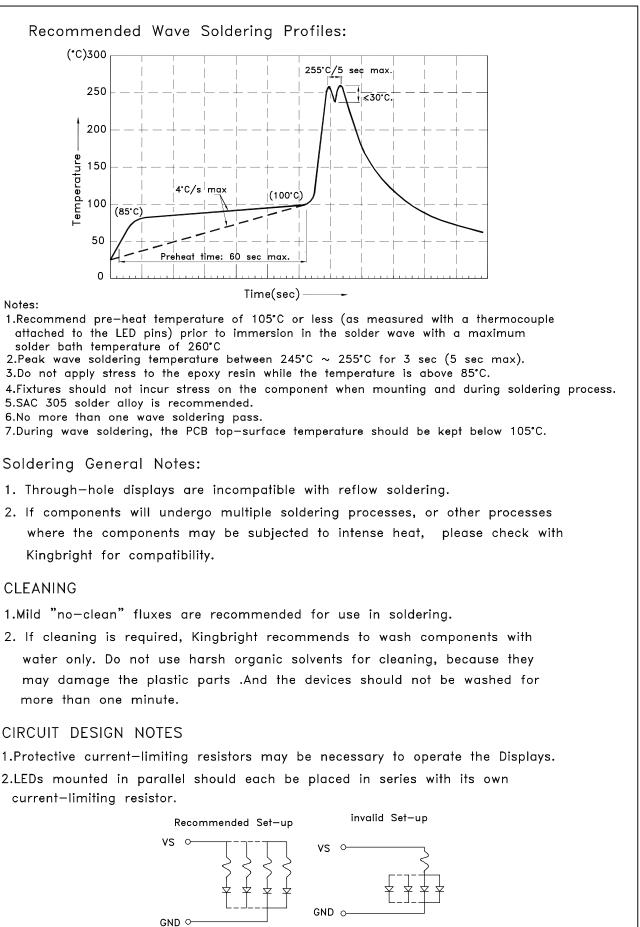
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.





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