38.1mm (1.5INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SC15-11SURKWA

Hyper Red

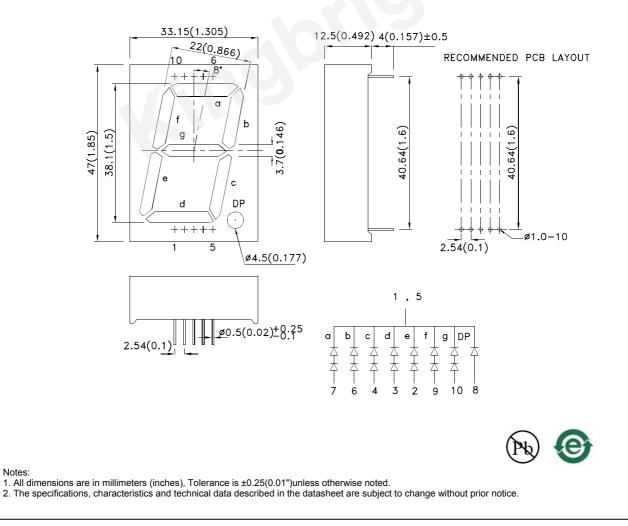
Features

- 1.5 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 Hyper Red source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.

Package Dimensions& Internal Circuit Diagram



DATE: SEP/01/2014 DRAWN: L.Q.Xie

Selection Guide					
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
SC15-11SURKWA	Hyper Red (AlGaInP) White Diffused	88000	210000	Common Cathode, Rt.	
			*31000	*62000	Hand Decimal.

Note:

1. 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	Hyper Red	645		nm	IF=20mA
λD [1]	Dominant Wavelength	Hyper Red	630		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	IF=20mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage (DP)	Hyper Red	3.9 (1.95)	5.0 (2.5)	V	IF=20mA
lr	Reverse Current (Per Chip)	Hyper Red		10 (10)	uA	VR=5V (VR=5V)

Notes:

1.Wavelength: +/-1nm. 2.Forward Voltage: +/-0.1V.

3.Wavelength value is traceable to the CIE127-2007 compliant national standards.

4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

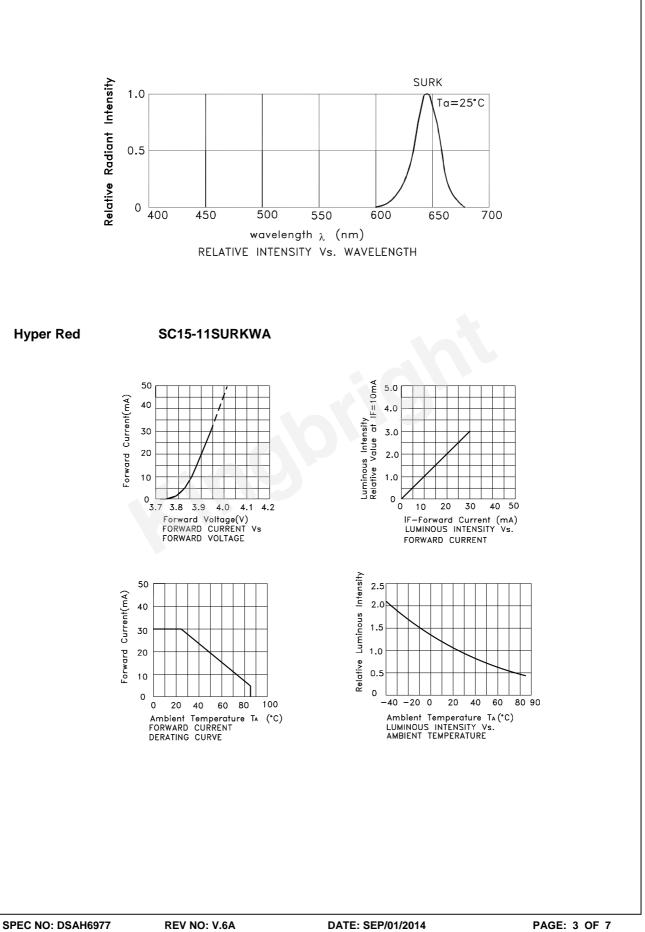
Absolute Maximum Ratings at TA=25°C

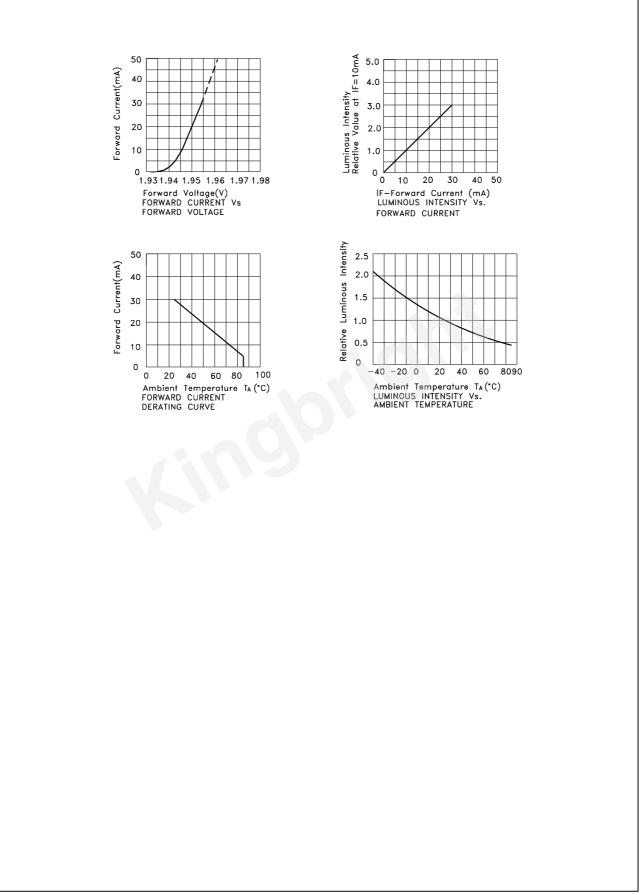
Parameter	Hyper Red	Units		
Power dissipation (Per Chip)	75			
DC Forward Current (DP)	30 (30)	mA		
Peak Forward Current [1] (DP)	185 (185)	mA		
Reverse Voltage (Per Chip)	5 (5)	V		
Operating / Storage Temperature	-40°C To +85°C			
Lead Solder Temperature[2]	260°C For 3-5 Seconds			

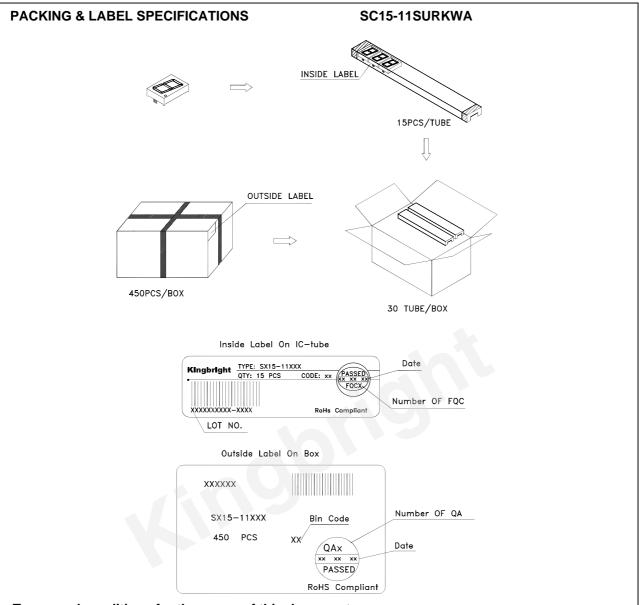
Notes:

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

2. 2mm below package base.

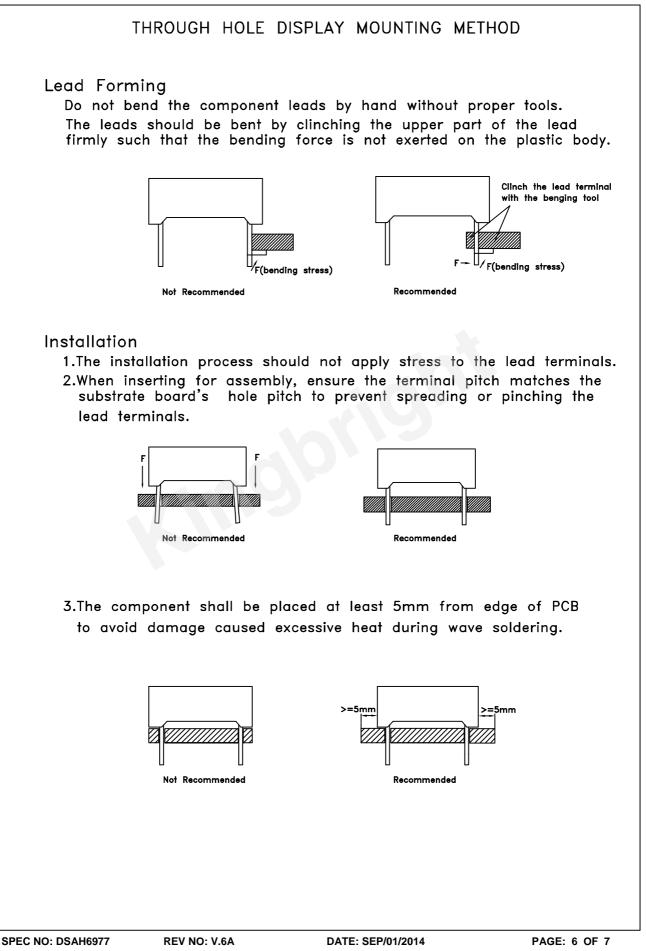


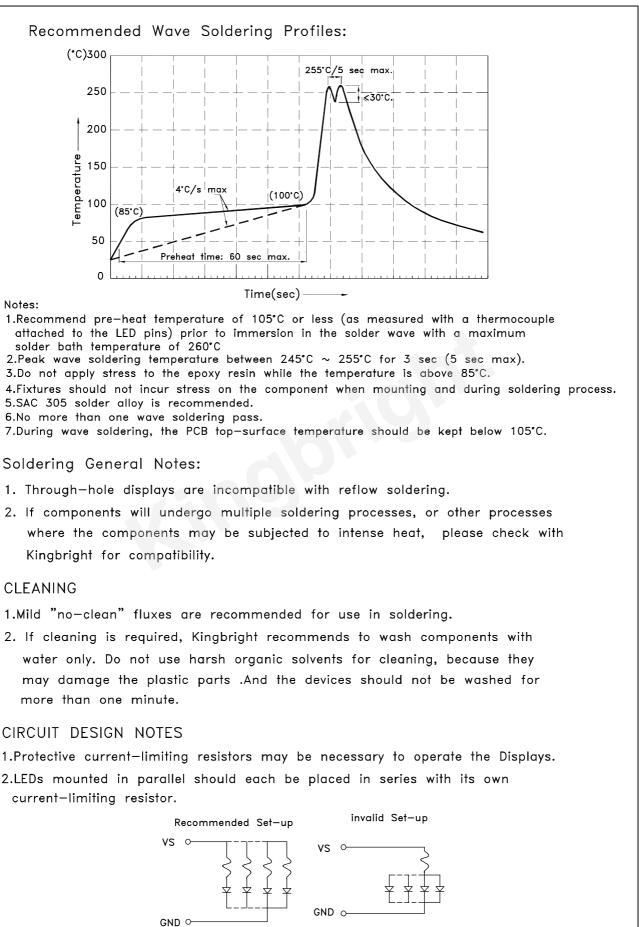




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