#### 13.8mm (0.543INCH) 14 SEGMENT DUAL DIGIT ALPHANUMERIC DISPLAY

Part Number: PDA54-11SURKWA

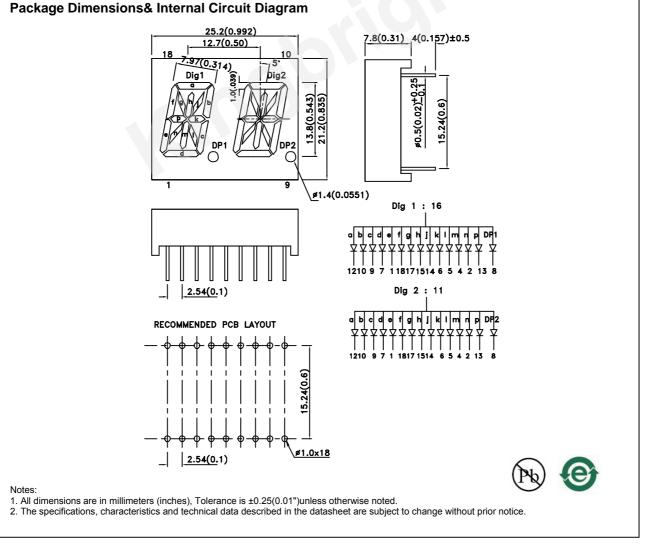
Hyper Red

#### **Features**

- 0.54 inch character height.
- Low current operation.
- High contrast and light output.
- Easy mounting on P.C. boards or sockets.
- Categorized for luminous intensity.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

#### Description

The Hyper Red source color devices are made with Al-GaInP on GaAs substrate Light Emitting Diode.



#### SPEC NO: DSAG0959 **APPROVED: WYNEC**

DATE: NOV/13/2014 DRAWN: L.Q.Xie

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Selection Guide						
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description	
			Min.	Тур.		
PDA54-11SURKWA	Hyper Red (AlGaInP)	White Diffused	31000	68000	Common Anode, Rt.	
			*9000	*23000	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	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	Hyper Red	1.95	2.5	V	IF=20mA
IR	Reverse Current	Hyper Red		10	uA	VR=5V

Notes:

1.Wavelength: +/-1nm.

2.Forward Voltage: +/-0.1V.

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

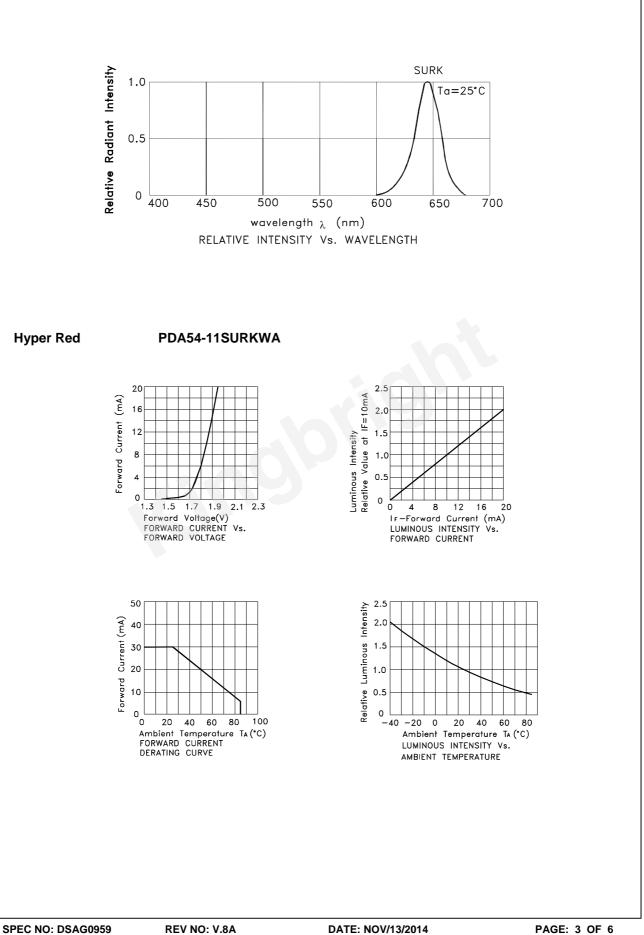
4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

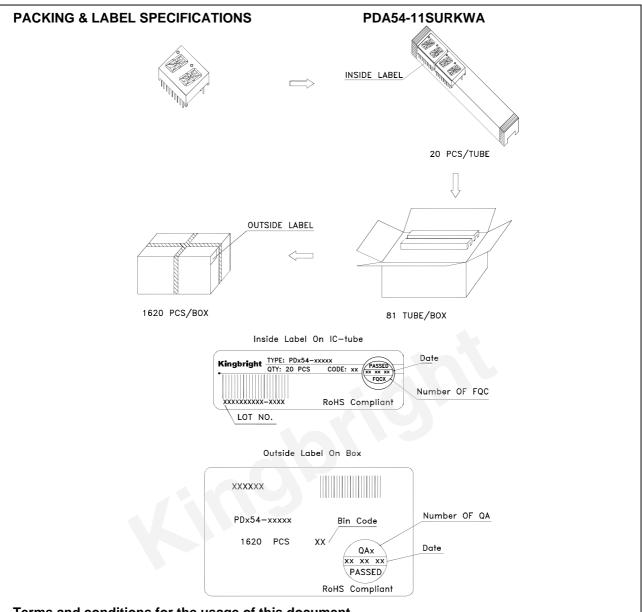
#### Absolute Maximum Ratings at TA=25°C

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

Notes:

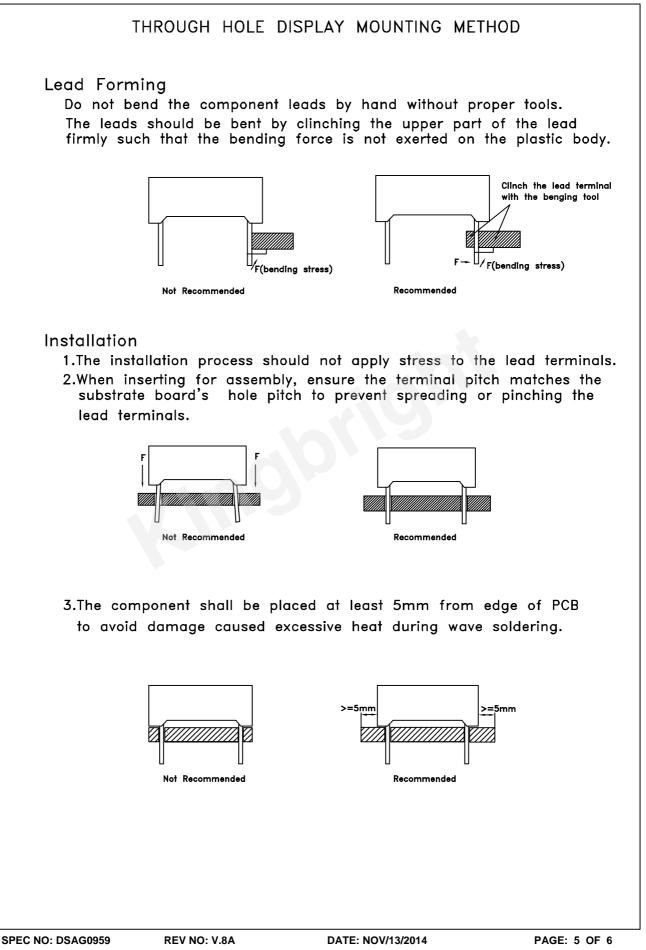
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.

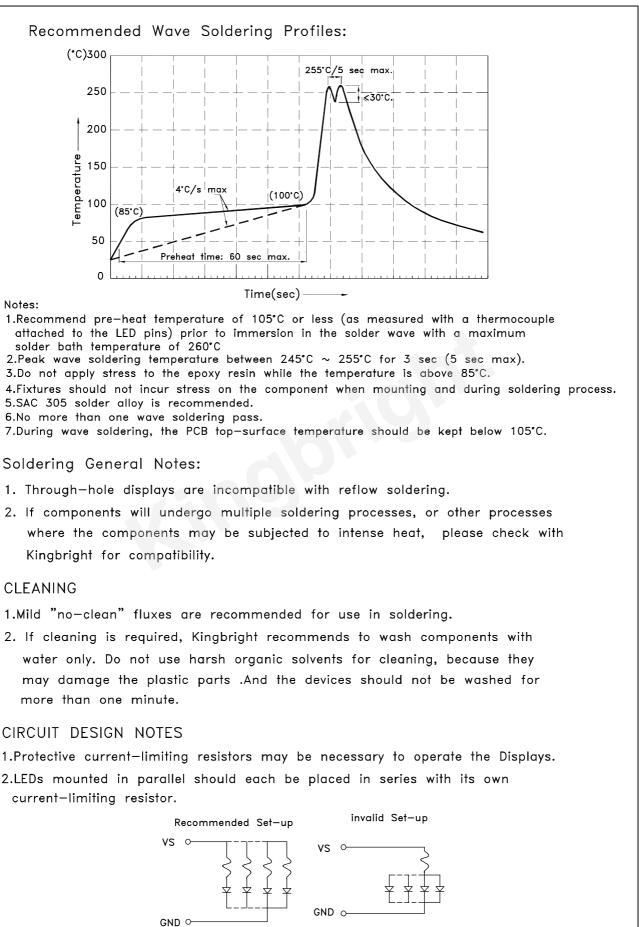




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