14.22mm(0.56INCH) FOUR DIGIT NUMERIC DISPLAY

Part Number: CC56-11SURKWA Hyper Red

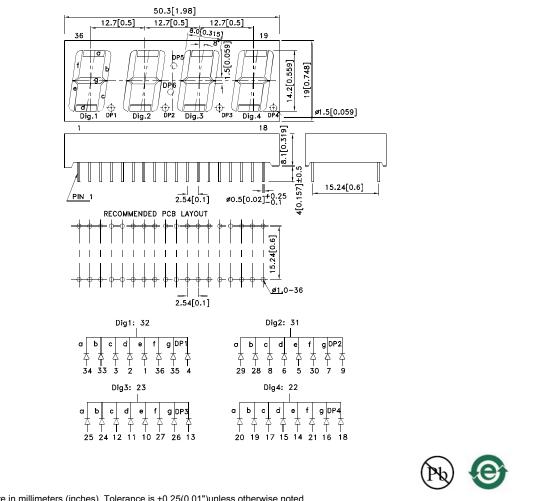
Features

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Easy mounting on P.C. boards or sockets.
- Mechanically rugged.
- Standard :gray face, white segment.
- UL rating:HB.
- RoHS compliant.

Description

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

Package Dimensions& Internal Circuit Diagram



1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Notes:

DATE: JAN/20/2013 DRAWN: C.H.Han

Selection Guide Part No. Dice Lens Type @ 10mA Description							
			Min.	Тур.			
CC56-11SURKWA	Hyper Red (AlGaInP)	White Diffused	31000	72000	Common Cathode, Rt.		
			*14000	*24000	Hand Decimal.		

Notes:

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	I⊧=20mA
λD [1]	Dominant Wavelength	Hyper Red	630		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	I⊧=20mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Hyper Red	1.95	2.5	V	I⊧=20mA
lr	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.

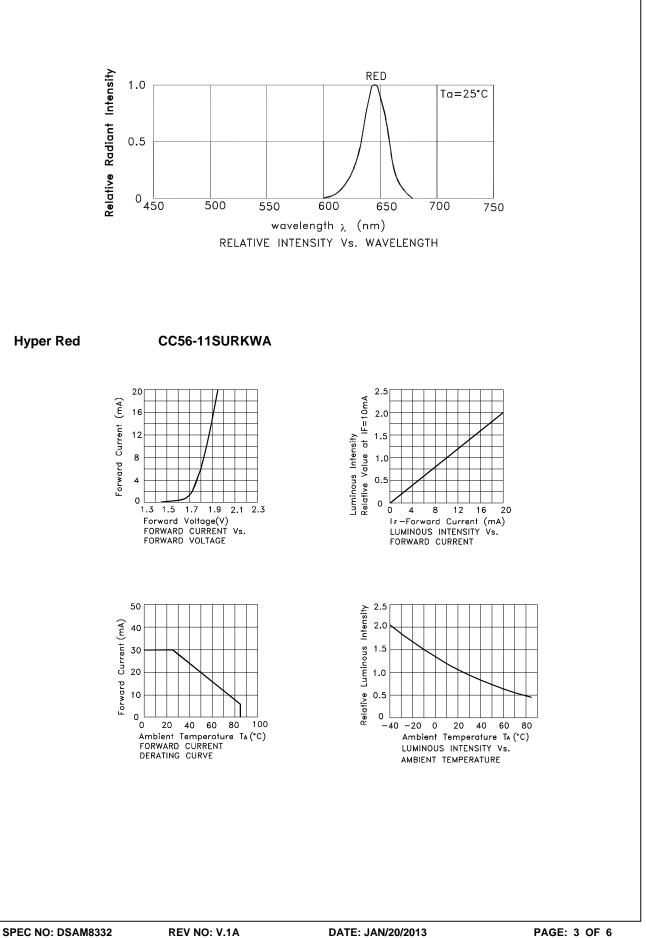
Absolute Maximum Ratings at TA=25°C

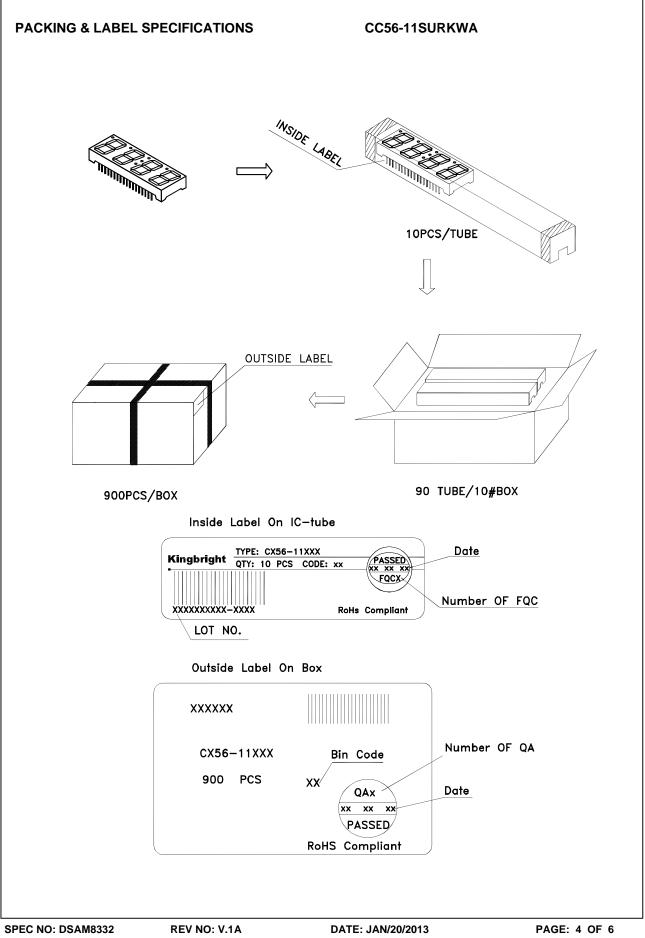
Parameter	Hyper Red	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	185	mA		
Reverse Voltage	5	V		
Dperating / Storage Temperature -40°C To +85°C				
Lead Solder Temperature[2]	Solder Temperature[2] 260°C For 3-5 Seconds			

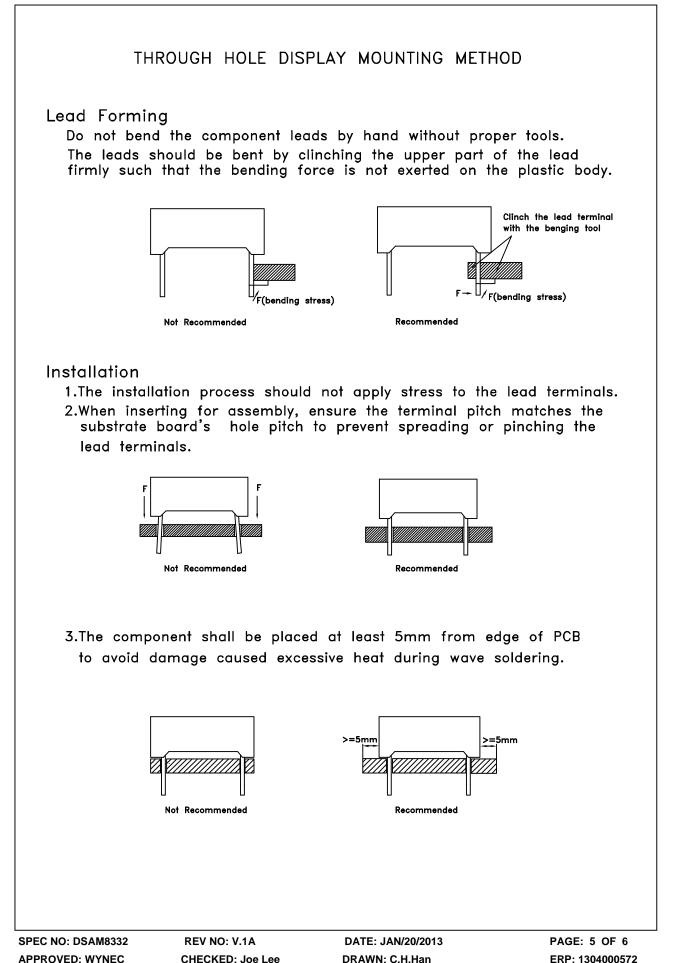
Notes:

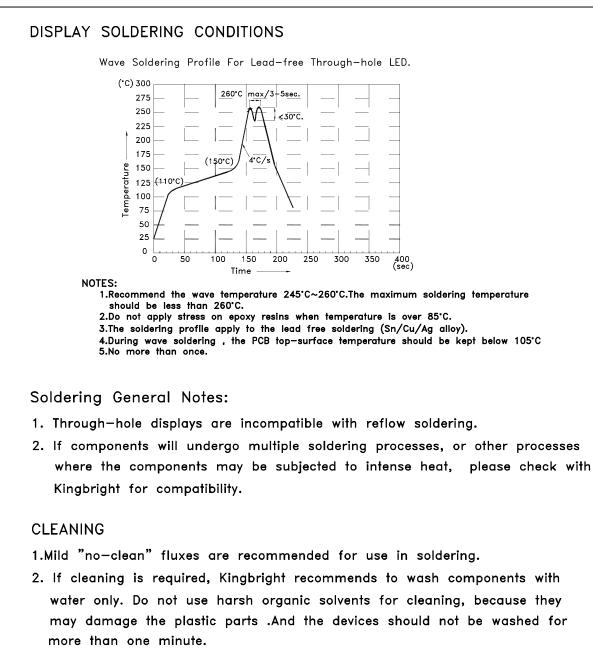
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.



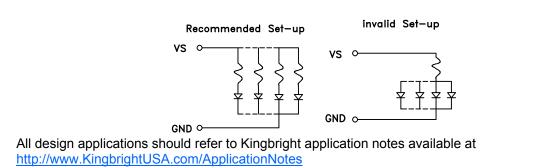






CIRCUIT DESIGN NOTES

 Protective current-limiting resistors may be necessary to operate the Displays.
LEDs mounted in parallel should each be placed in series with its own current-limiting resistor.



DATE: JAN/20/2013 DRAWN: C.H.Han