9.9mm (0.39INCH) SINGLE DIGIT NUMERIC DISPLAY

Part Number: SC39-11SYKWA

Super Bright Yellow

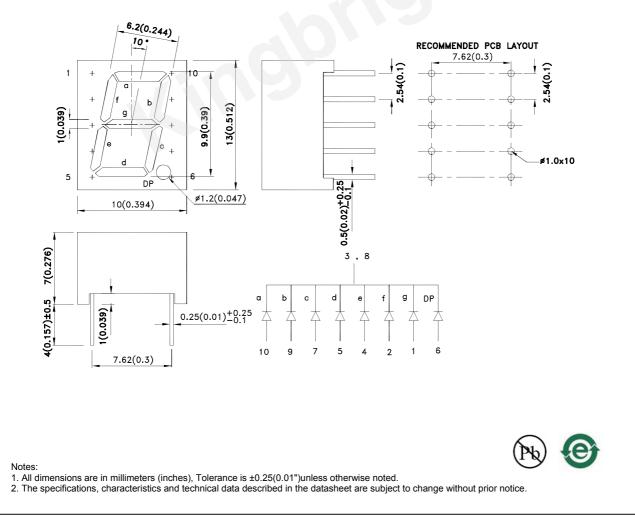
Features

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

Description

The Super Bright Yellow device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

Package Dimensions& Internal Circuit Diagram



DATE: OCT/31/2014 DRAWN: Q.M.Chen

Selection Guide					
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	-
SC39-11SYKWA	Super Bright Yellow (AlGaInP)	White Diffused	31000	86000	Common Cathode, Rt.Hand Decimal.
			*14000	*26000	

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 Yellow	590		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	I⊧=20mA
С	Capacitance	Super Bright Yellow	20		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Yellow	2.0	2.5	V	I⊧=20mA
IR	Reverse Current	Super Bright Yellow		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.

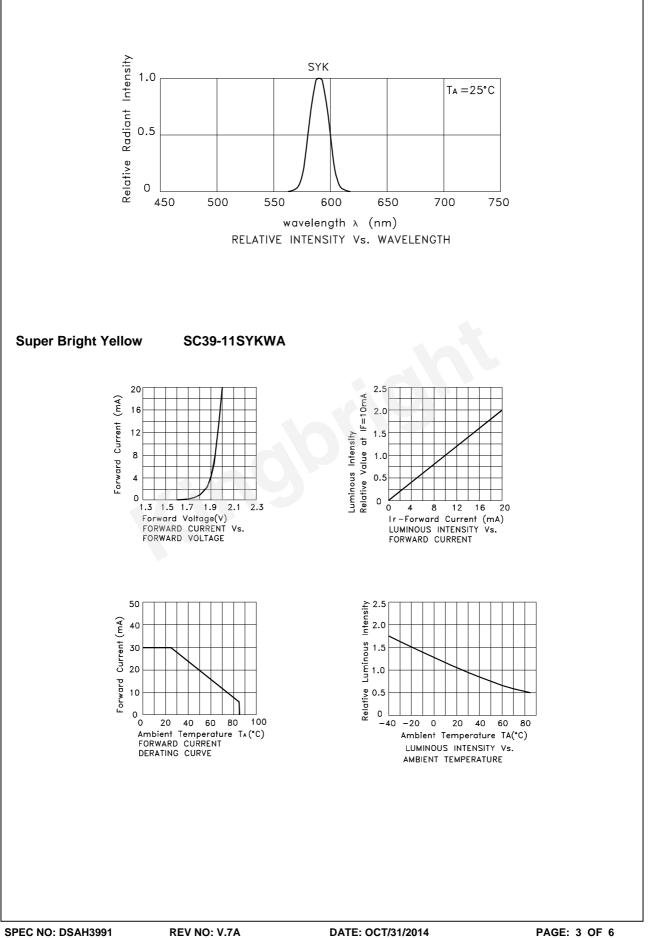
Absolute Maximum Ratings at TA=25°C

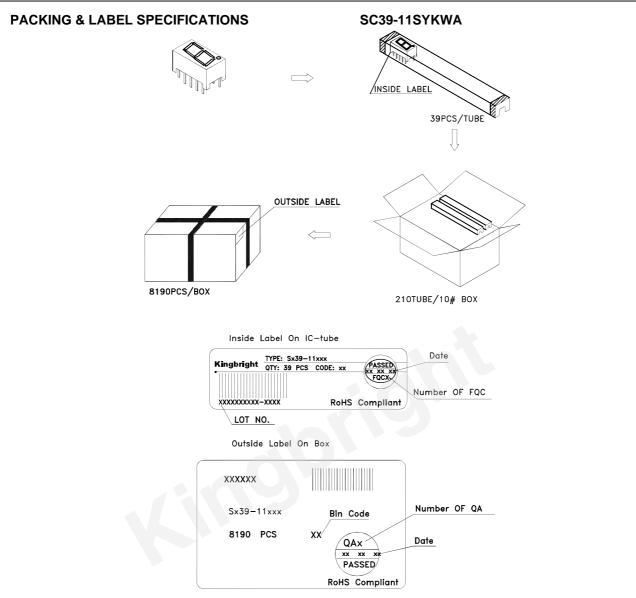
Parameter	Super Bright Yellow		
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	175	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	ture -40°C To +85°C		
Lead Solder Temperature[2]	260°C For 3-5 Seconds		

Notes:

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

2. 2mm below package base.

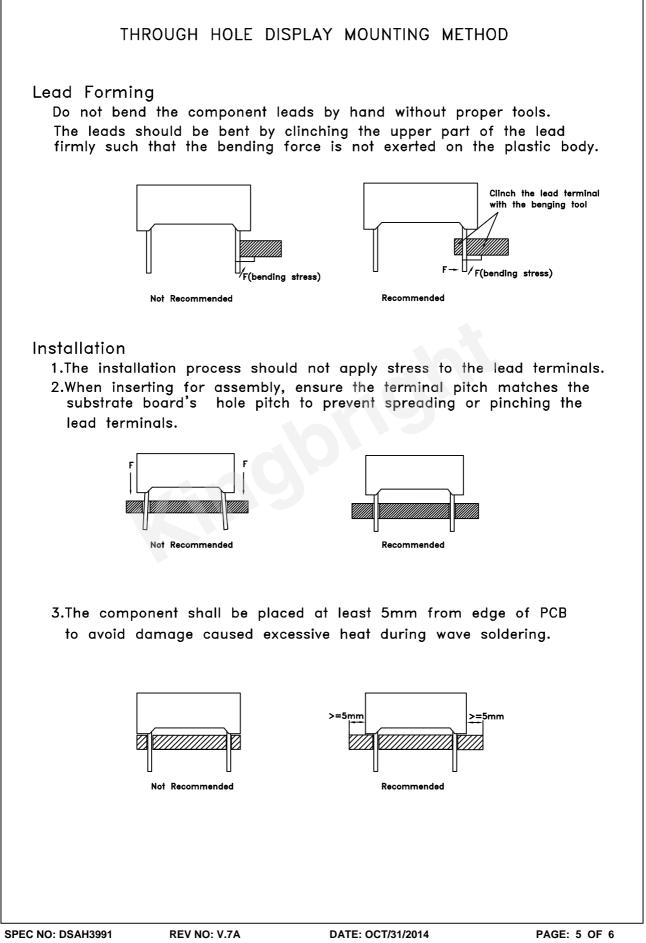


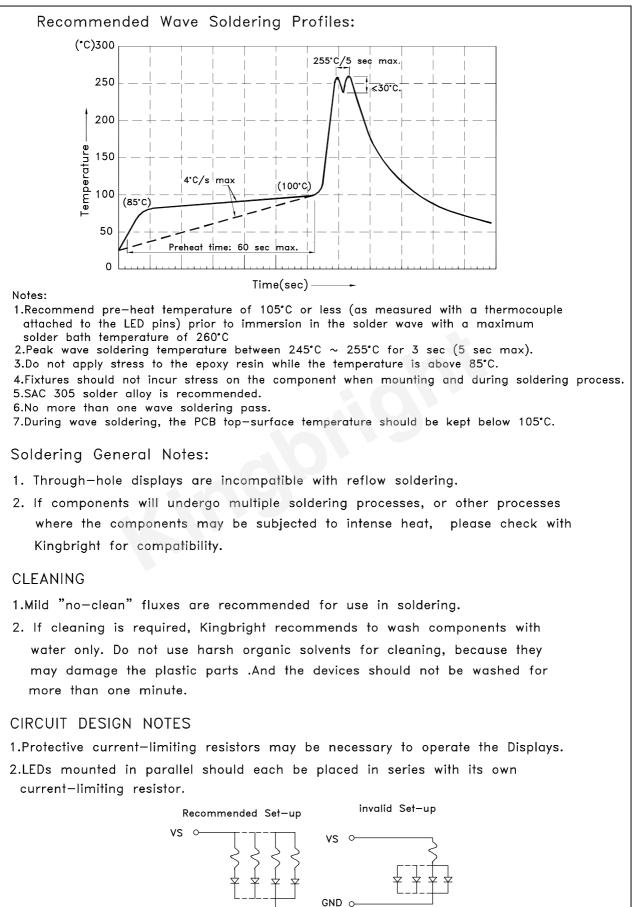


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