SURFACE MOUNT DISPLAY

Part Number: KCSA39-107

Super Bright Yellow

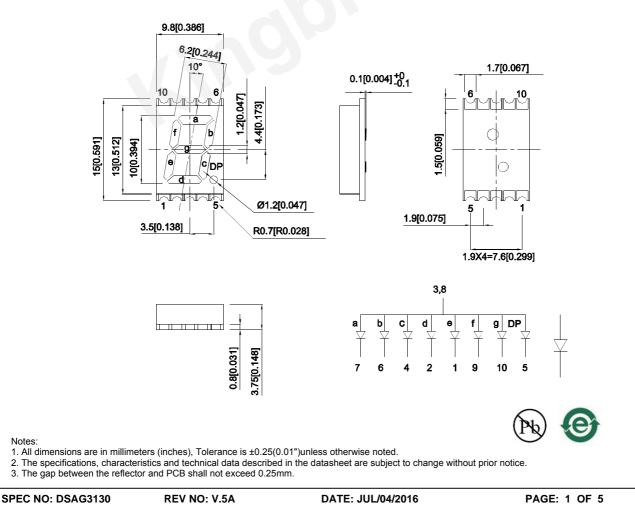
Features

- 0.39 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package :400pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

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

Package Dimensions& Internal Circuit Diagram



APPROVED: Wynec

CHECKED: Joe Lee

DRAWN: W.Q.Zhong

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Selection Guide	1	1	r		
Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
KCSA39-107	Super Bright Yellow (AlGaInP)	White Diffused	31000	91000	Common Anode, Rt.
		White Dinused	*14000	*30000	Hand Decimal.

Notes:

Luminous intensity / luminous Flux: +/-15%.
* Luminous intensity value is traceable to CIE127-2007 standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	IF=10mA
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	I⊧=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	IF=10mA
С	Capacitance	Super Bright Yellow	20		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Yellow	1.95	2.5	V	IF=10mA
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 CIE127-2007 standards.

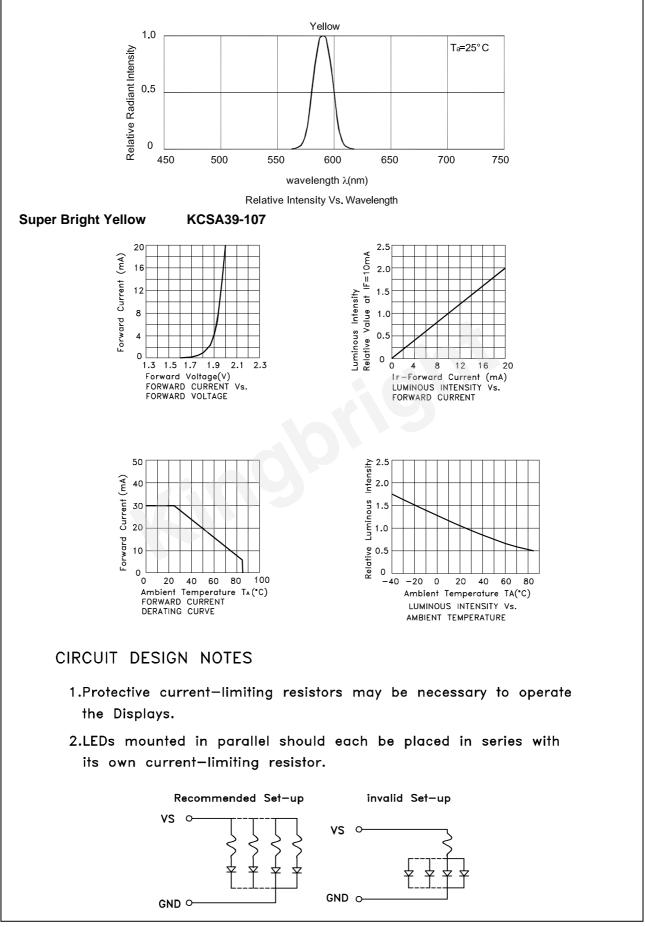
4. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

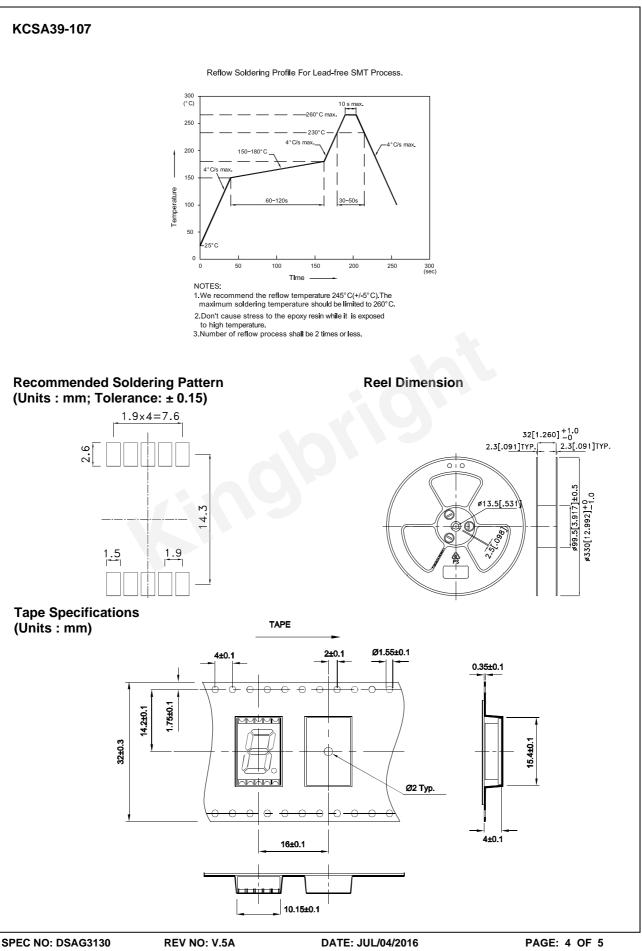
Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	175	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Notes:

1.1/10 Duty Cycle, 0.1ms Pulse Width.
Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



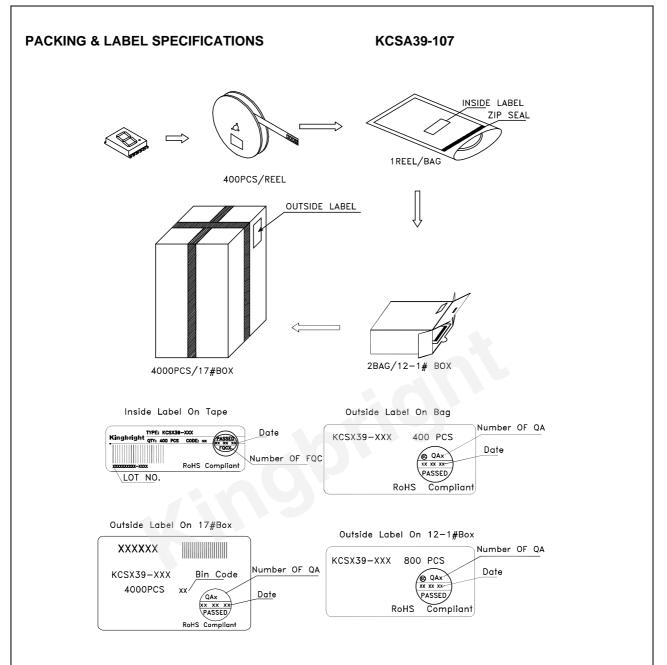
REV NO: V.5A CHECKED: Joe Lee DATE: JUL/04/2016 DRAWN: W.Q.Zhong PAGE: 3 OF 5 ERP: 1351000351



APPROVED: Wynec

CHECKED: Joe Lee

DRAWN: W.Q.Zhong



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