

SURFACE MOUNT DISPLAY

Part Number: KCSC04-123 Green

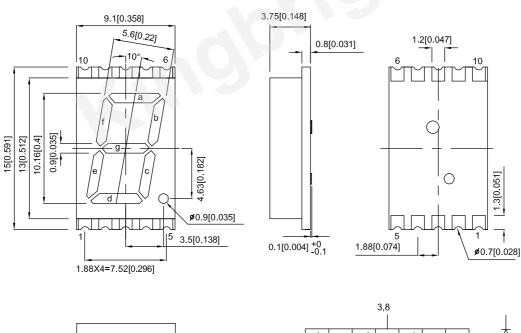
Features

- 0.4 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.

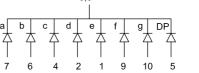
Description

The Green source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.

Package Dimensions& Internal Circuit Diagram











- 1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.
- The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
 The gap between the reflector and PCB shall not exceed 0.25mm.

SPEC NO: DSAG0766 **REV NO: V.10A** DATE: JUL/04/2016 PAGE: 1 OF 5 **APPROVED: Wynec CHECKED:** Joe Lee DRAWN: L.T.Zhang ERP: 1351000437

Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
1600004 400	Green (AlGalnP) White Diffused	Milette Different	5600	11000	Common Cathode, Rt. Hand Decimal.
KCSC04-123		vvnite Diffused	*2200	*4100	

- 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	Green	574		nm	IF=10mA
λD [1]	Dominant Wavelength	Green	570		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Green	20		nm	IF=10mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Green	2.0	2.5	V	IF=10mA
lr	Reverse Current	Green		10	uA	V _R =5V

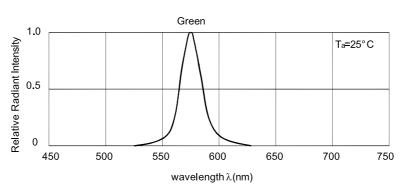
- 1. Wavelength: +/-1nm.
- 2. Forward Voltage: +/-0.1V.
- 3. Wavelength value is traceable to CIE127-2007 standards.
- 4. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

- 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.

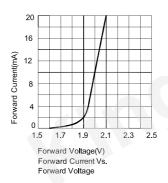
SPEC NO: DSAG0766 **REV NO: V.10A** DATE: JUL/04/2016 PAGE: 2 OF 5 **APPROVED: Wynec CHECKED:** Joe Lee DRAWN: L.T.Zhang ERP: 1351000437

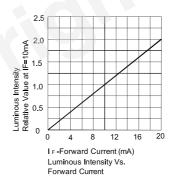


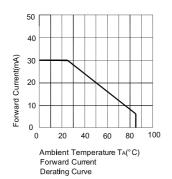
Relative Intensity Vs. Wavelength

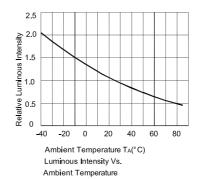
Green

KCSC04-123









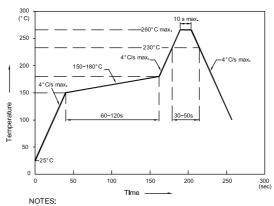
PAGE: 3 OF 5

ERP: 1351000437

SPEC NO: DSAG0766 REV NO: V.10A DATE: JUL/04/2016
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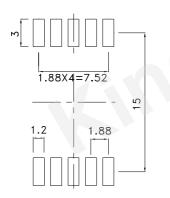


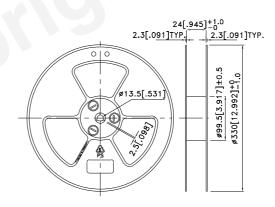


- 1.We recommend the reflow temperature 245°C(+/-5°C).The maximum soldering temperature should be limited to 260°C.
- 2.Don't cause stress to the epoxy resin while it is exposed to high temperature.
- 3.Number of reflow process shall be 2 times or less.

Recommended Soldering Pattern (Units: mm; Tolerance: ± 0.15)

Reel Dimension

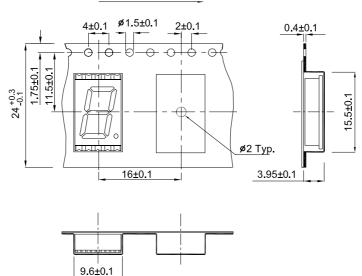




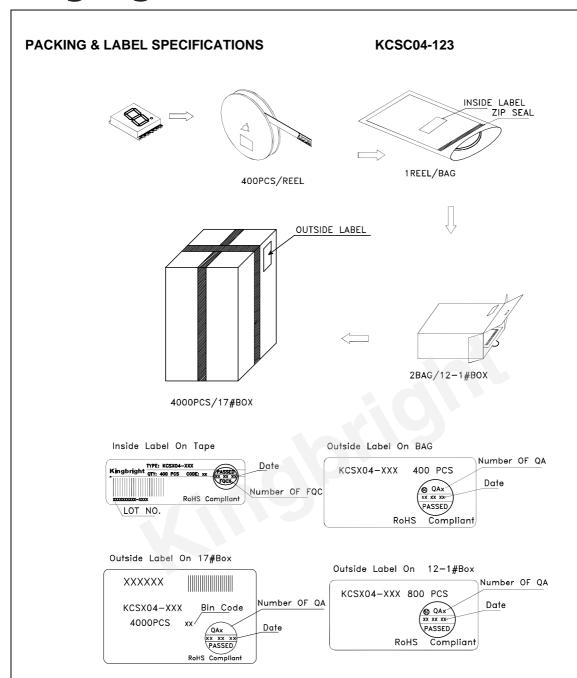
Tape Specifications

(Units:mm)

TAPE



SPEC NO: DSAG0766 APPROVED: Wynec REV NO: V.10A CHECKED: Joe Lee DATE: JUL/04/2016 DRAWN: L.T.Zhang PAGE: 4 OF 5 ERP: 1351000437



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 SPEC NO: DSAG0766
 REV NO: V.10A
 DATE: JUL/04/2016
 PAGE: 5 OF 5

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