SURFACE MOUNT DISPLAY

Part Number: KCPSA04-123 Green

Features Description • 0.4 inch character height. The Green source color devices are made with AlGaInP on • Low current operation. GaAs substrate Light Emitting Diode. • High contrast and light output. • Categorized for luminous intensity. Mechanically rugged. • Gray face, white segment. • Package : 400pcs / reel. • Moisture sensitivity level : level 2a. • RoHS compliant. Package Dimensions& Internal Circuit Diagram 3.75[0.148] .3[0.366] 1.9X4=7.6[0.299] 0.236 0.8[0.031] .9[0.075 1.2[0.047] C Б 0 0 ø0.8[0.031] 0 \bigcirc 14.2[0.559] 19[0.748] 13[0.512] 0.16[0.4 039 10. .2[0.047] С С 0 80 Ø 06 0 ø1[0.039] 向 علمل ø0.8[0.031]] 1.2[0.047] 2.6[0.102] 3.5[0.138] 5.2[0.205]

14 k∣ ¥ l j m n j P_DP 10 11 6 7 8 16 9 15 13 12 4 3 2 1 5

[0.047

2

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Notes

- 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.

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Selection Guide	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	Description
KCPSA04-123	Green (AlGaInP)	White Diffused	5600	11000	Common Anode, Rt. Hand Decimal.
			*1400	*3100	

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	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	2.5	V	IF=10mA
IR	Reverse Current	Green		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.

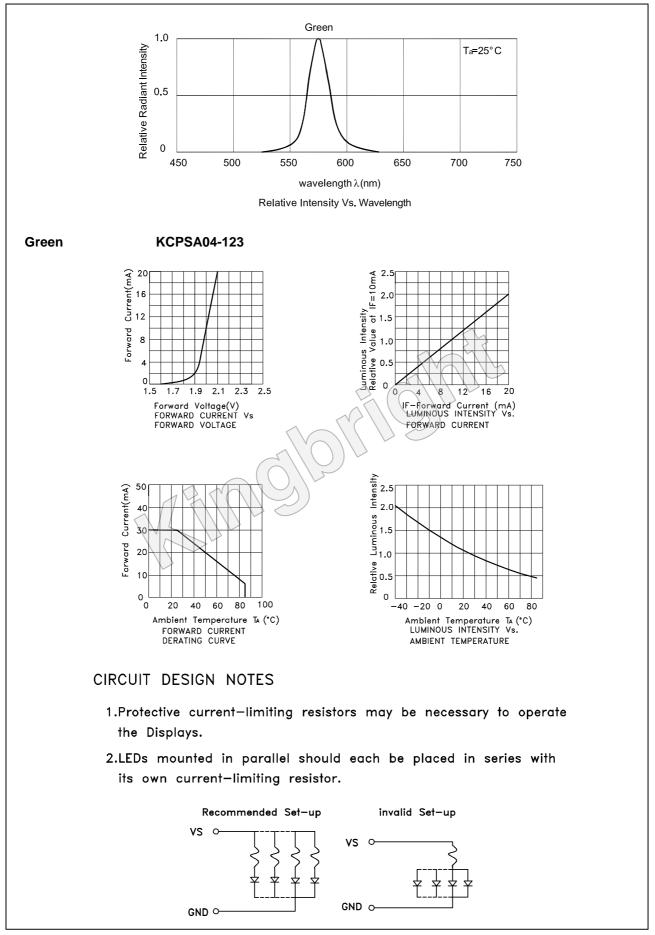
Absolute Maximum Ratings at TA=25°C

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

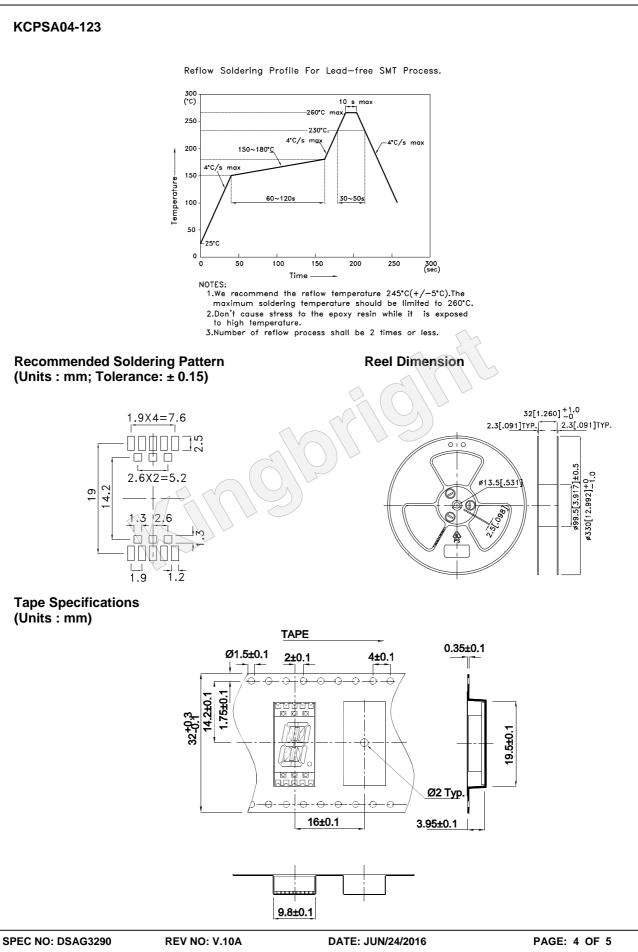
Notes:

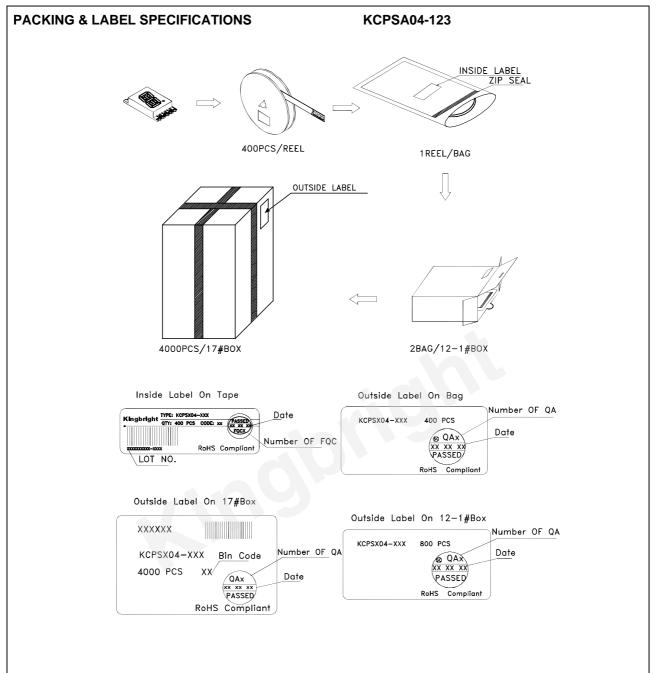
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

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.



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