SURFACE MOUNT DISPLAY

Part Number: KCDC03-123 Green

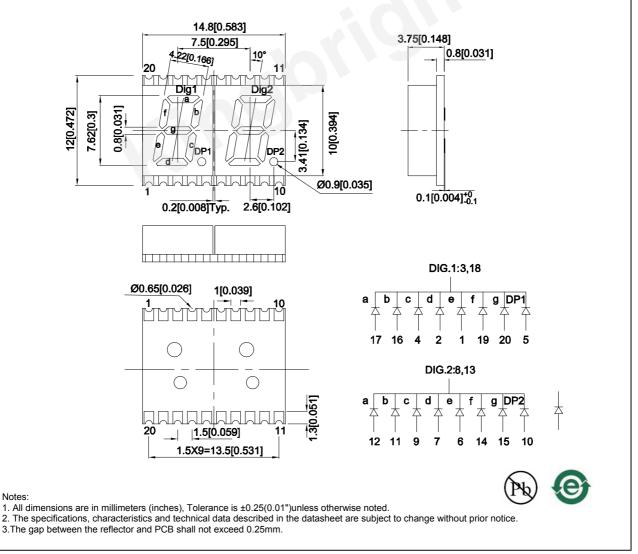
Features

- 0.3 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Package :300pcs / reel.
- Gray face, white segment.
- 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



SPEC NO: DSAG7170 APPROVED: Wynec REV NO: V.11A CHECKED: Joe Lee DATE: JUN/18/2016 DRAWN: L.T.Zhang PAGE: 1 OF 5 ERP: 1352000330

Selection Guide	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
Tarrio.			Min.	Тур.	Description
KCDC03-123	Green (AlGaInP)	White Diffused	3600	12000	Common Cathode, Rt. Hand Decimal.
		White Bindsed	*1400	*3100	

Note:

1.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.

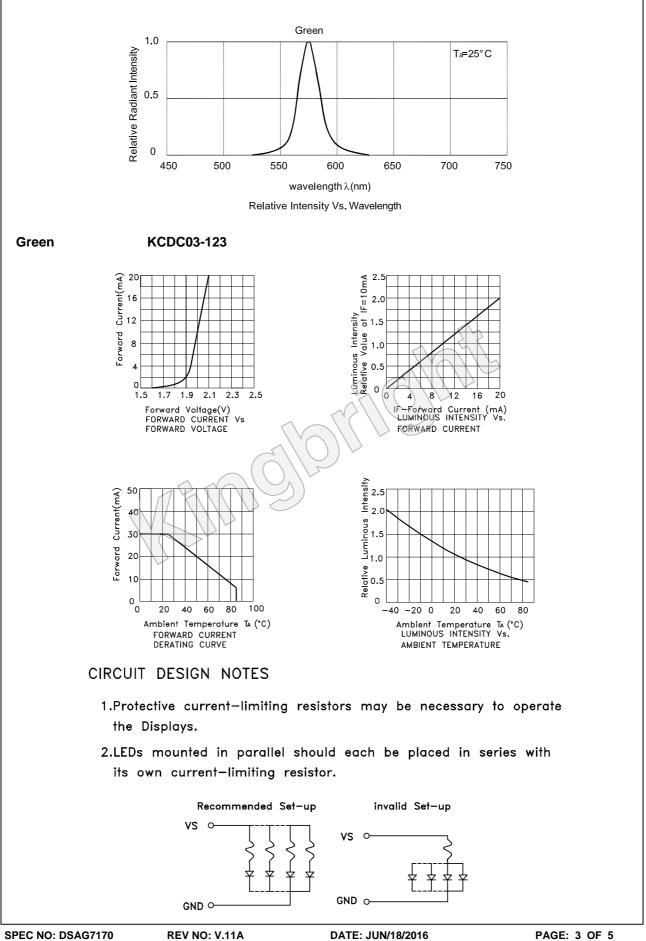
4.Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

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		

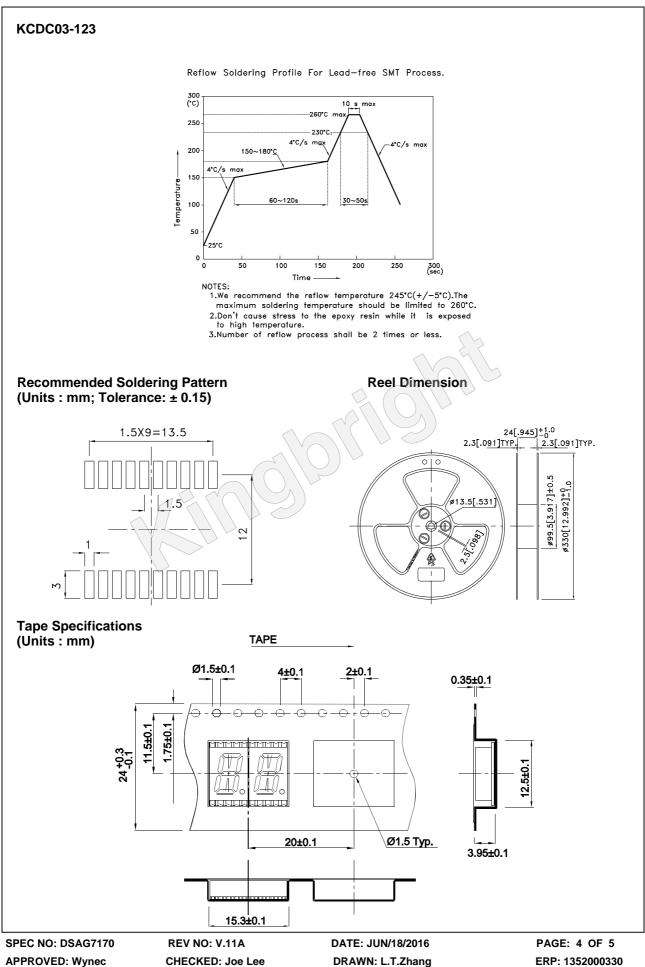
Notes:

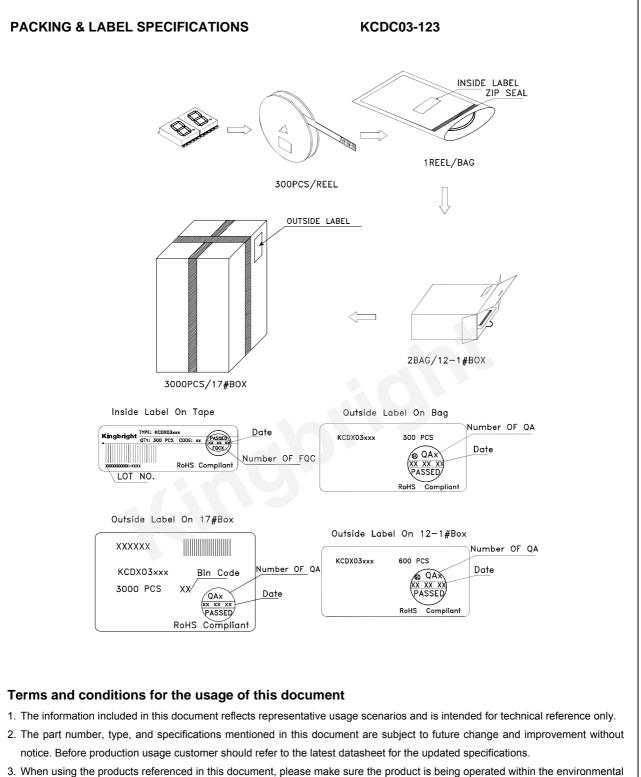
1.1/10 Duty Cycle, 0.1ms Pulse Width.
Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



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- 3. When using the products referenced in this document, please make sure the product is being operated within the environmental and electrical limits specified in the datasheet. If customer usage exceeds the specified limits, Kingbright will not be responsible for any subsequent issues.
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