SURFACE MOUNT DISPLAY

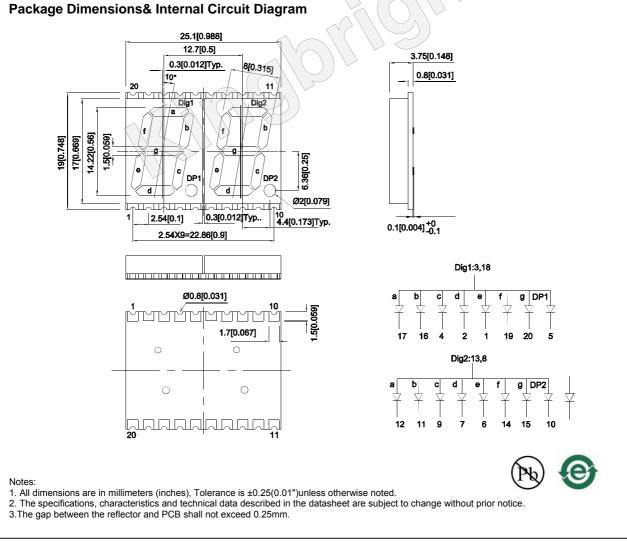
Part Number: KCDA56-123 Green

Features

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package: 200pcs/ reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

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



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Selection Guide	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
i arrivo.		Lens Type	Min.	Тур.	Description
KODA50 400		White Diffused	9000	25000	Common Anode, Rt. Hand Decimal.
KCDA56-123	Green (AlGaInP)	White Diffused	*2200	*4600	

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
lr	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.

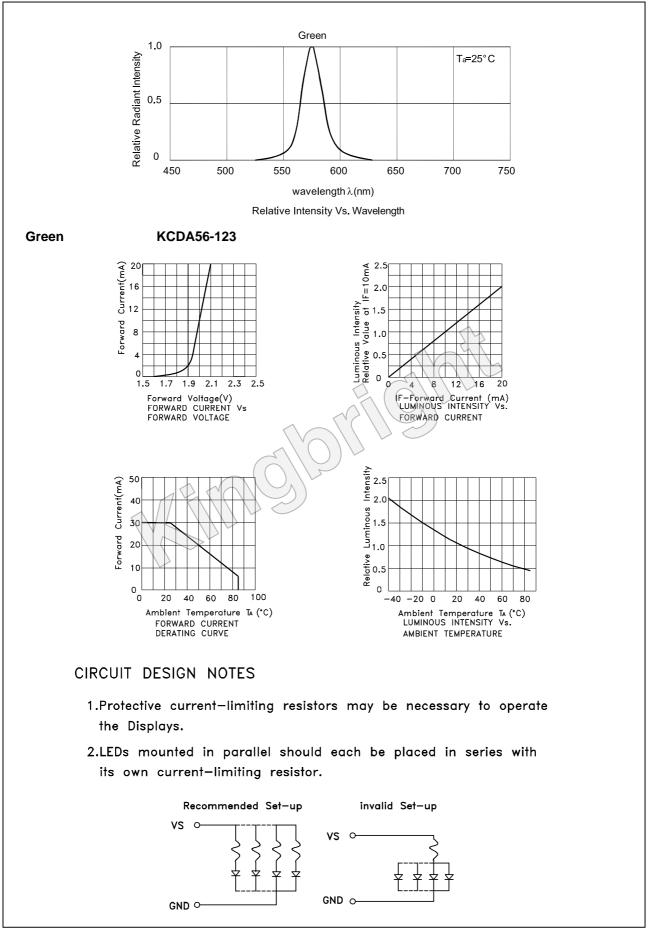
4. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

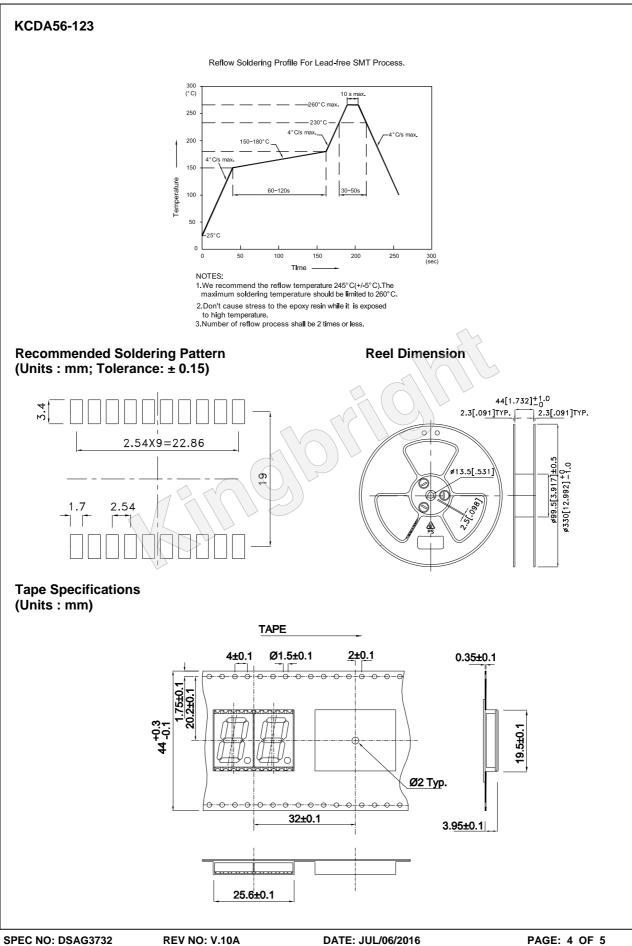
Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

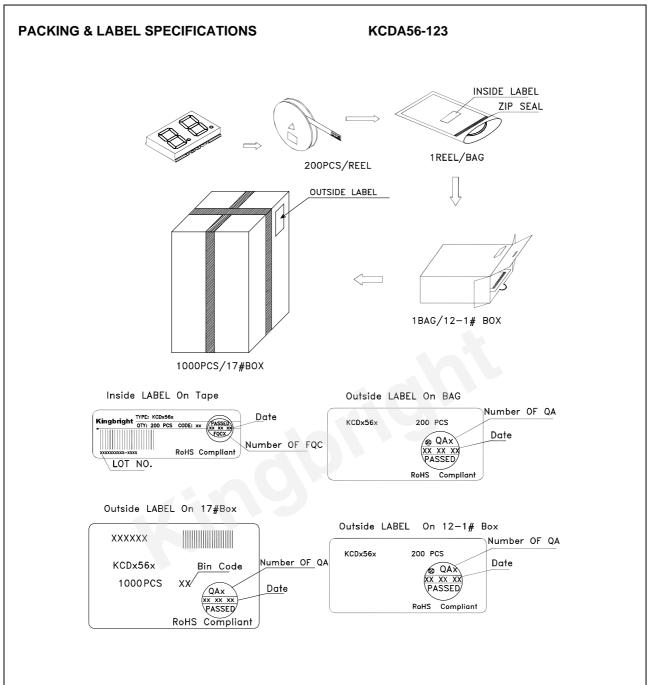
Notes:

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.



SPEC NO: DSAG3732 APPROVED: Wynec REV NO: V.10A CHECKED: Joe Lee DATE: JUL/06/2016 DRAWN: W.Q.Zhong PAGE: 3 OF 5 ERP: 1352000315





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