### SURFACE MOUNT DISPLAY

Part Number: ACDA56-41SEKWA-F01

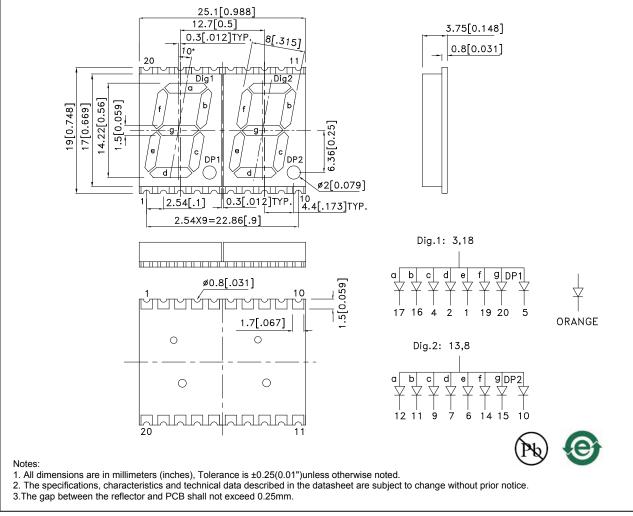
Super Bright Orange

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



#### Package Dimensions& Internal Circuit Diagram

SPEC NO: DSAG0244 APPROVED: WYNEC REV NO: V.12A CHECKED: Joe Lee DATE: JAN/08/2015 DRAWN: Q.M.Chen PAGE: 1 OF 5 ERP: 1352000338

Selection Guide	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	Decemption
ACDA56-41SEKWA-F01	Super Bright Orange (AlGaInP)	White Diffused	31000	78000	Common Anode, Rt.
		White Bindsed	14000*	23000*	Hand Decimal.

Note:

1.Luminous intensity/ luminous Flux: +/-15%. \*Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

#### Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Orange	610		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Orange	601		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Orange	29		nm	I⊧=20mA
С	Capacitance	Super Bright Orange	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Orange	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Super Bright Orange		10	uA	VR=5V

Notes:

Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

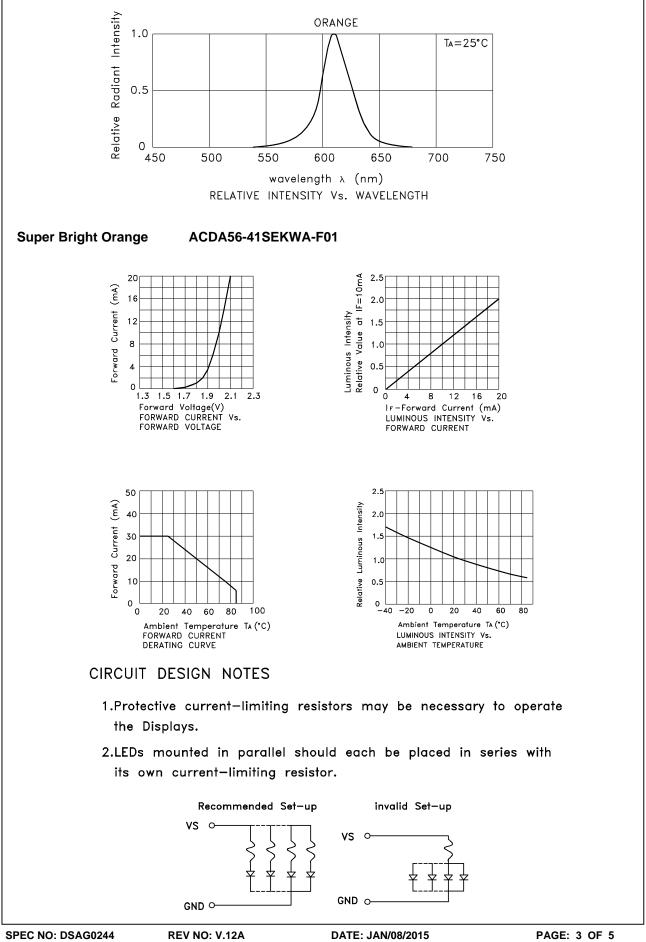
4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

#### Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Orange	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	195	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			

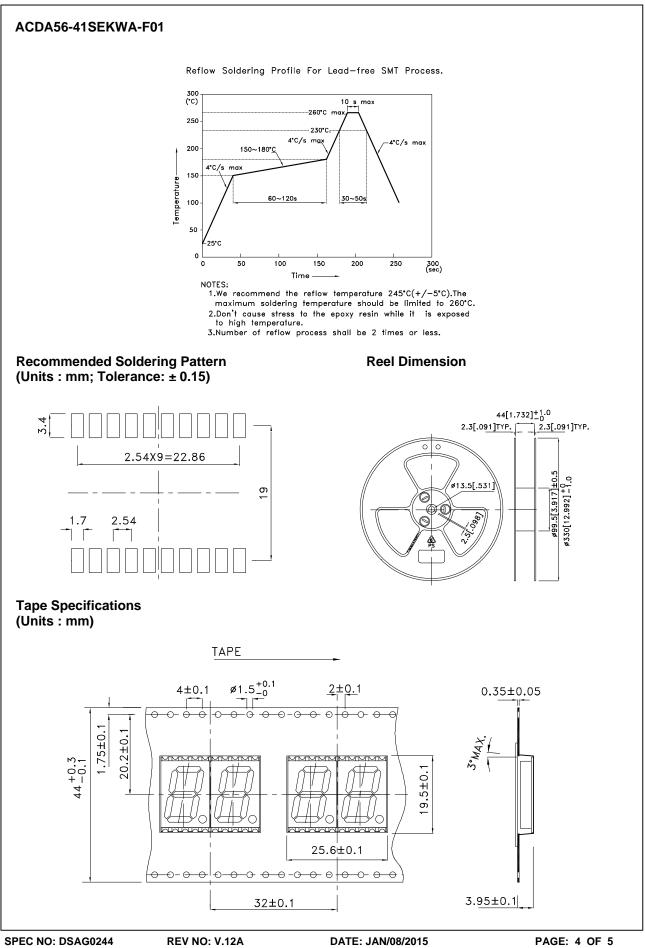
Note:

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



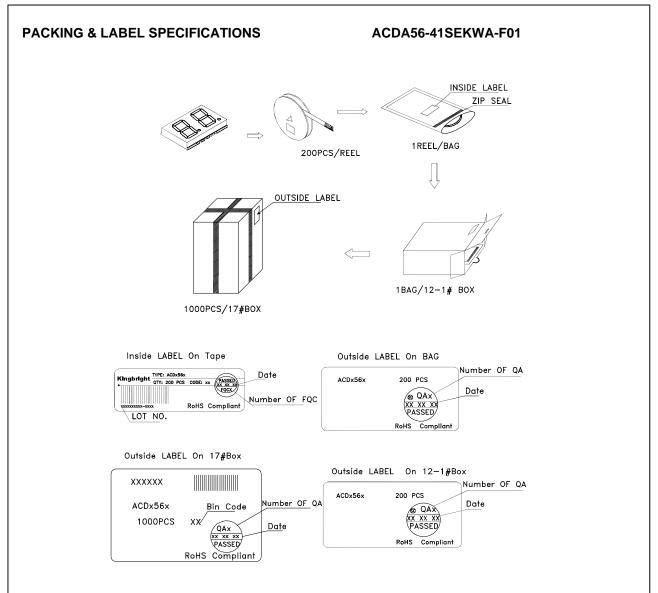
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