SURFACE MOUNT DISPLAY

Part Number: ACDA56-41SYKWA-F01

Super Bright Yellow

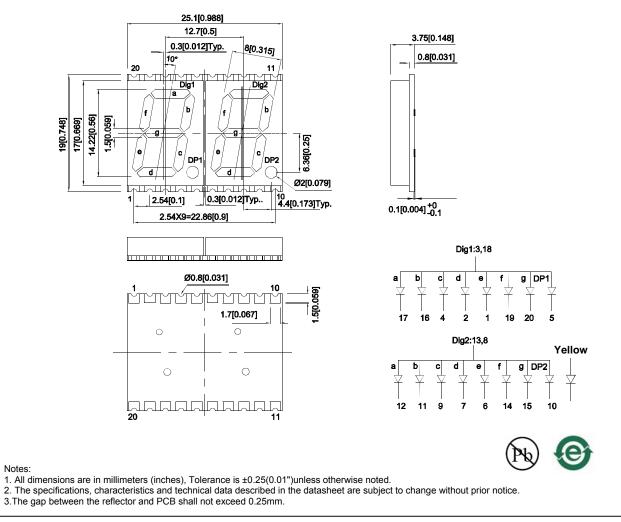
Features

- 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 Yellow device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAG0247 APPROVED: Wynec

REV NO: V.13A CHECKED: Joe Lee DATE: DEC/22/2015 DRAWN: M.Liu PAGE: 1 OF 5 ERP: 1352000303

Selection Guide Iv (ucd) [1] @ 10mA Part No. **Emitting Color (Material)** Lens Type Description Min. Тур. 31000 76000 Common Anode, Rt. ACDA56-41SYKWA-F01 Super Bright Yellow (AlGaInP) White Diffused Hand Decimal. 14000* 29000*

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	Emitting Color	Тур.	Max.	Units	Test Conditions		
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	IF=10mA		
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	IF=10mA		
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	IF=10mA		
С	Capacitance	Super Bright Yellow	20		pF	VF=0V;f=1MHz		
VF [2]	Forward Voltage	Super Bright Yellow	1.95	2.5	V	IF=10mA		
lr	Reverse Current	Super Bright Yellow		10	uA	VR=5V		

Notes:

1.Wavelength: +/-1nm. 2.Forward Voltage: +/-0.1V.

3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

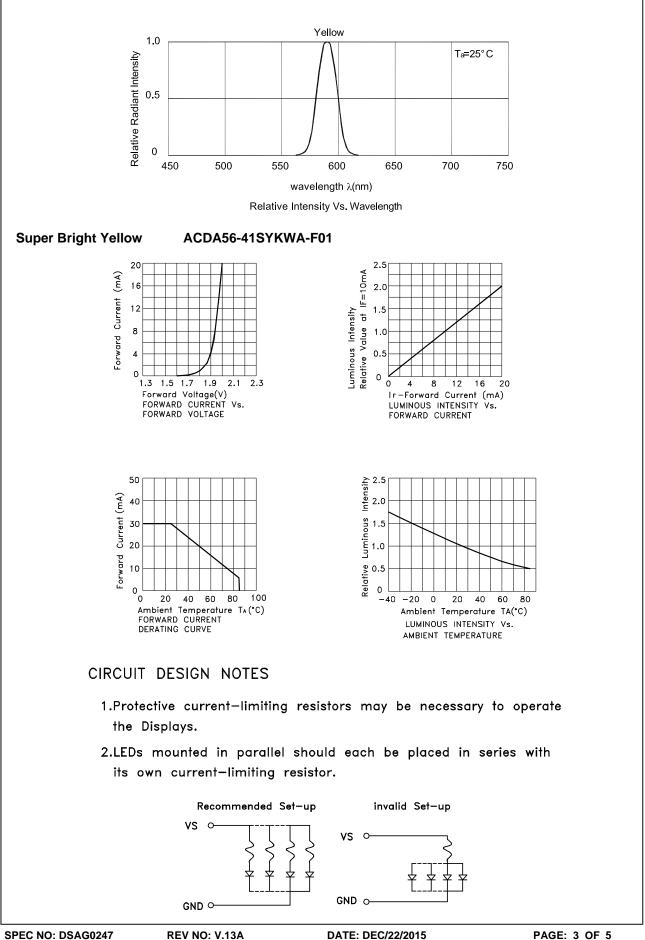
4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	175	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

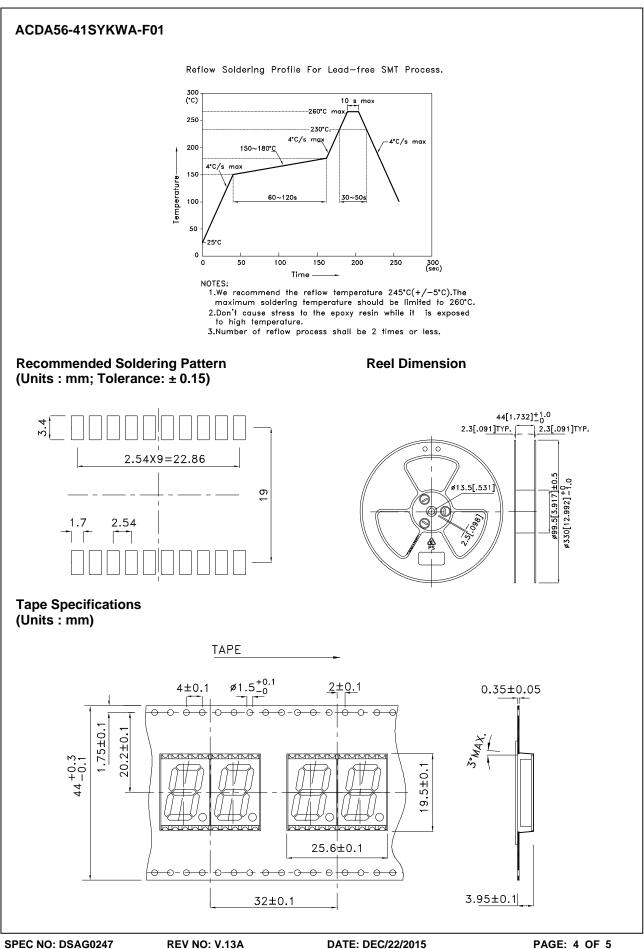
Note:

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



CHECKED: Joe Lee

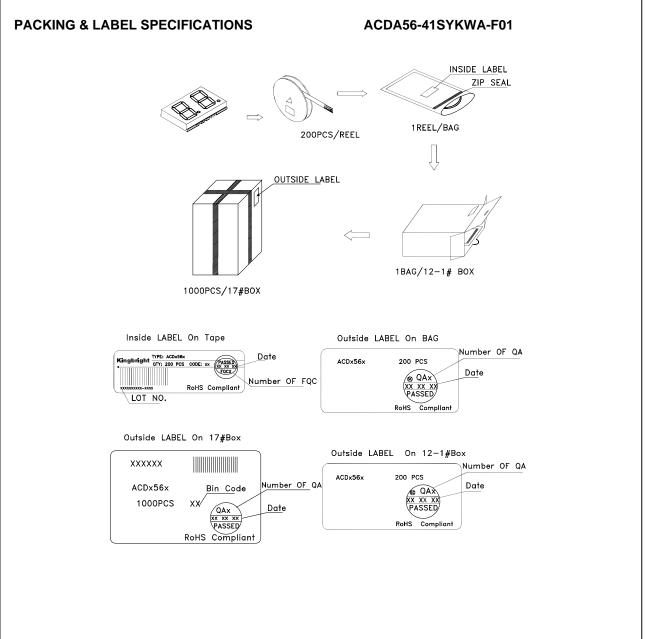
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