### SURFACE MOUNT DISPLAY

Part Number: ACDC03-41SGWA-F01

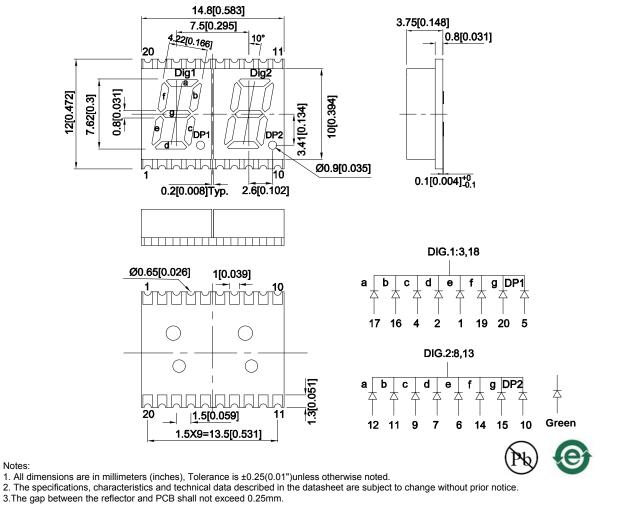
Super Bright Green

#### 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 Super Bright Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.



### Package Dimensions& Internal Circuit Diagram

SPEC NO: DSAG1426 APPROVED: Wynec REV NO: V.11A CHECKED: Joe Lee DATE: DEC/28/2015 DRAWN: M.Liu PAGE: 1 OF 5 ERP: 1352000288

Selection Guide Part No.	Emitting Color (Material)	Color (Material) Lens Type @ 10mA			
			Min.	Тур.	
ACDC03-41SGWA-F01	Super Bright Green (GaP)	White Diffused	1400	3500	Common Cathode, Rt. Hand Decimal.
			*560	*1200	

Notes:

2. 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 Green	565		nm	I⊧=10mA
λD [1]	Dominant Wavelength	Super Bright Green	568		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	IF=10mA
С	Capacitance	Super Bright Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Green	2	2.5	V	I⊧=10mA
IR	Reverse Current	Super Bright Green		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.

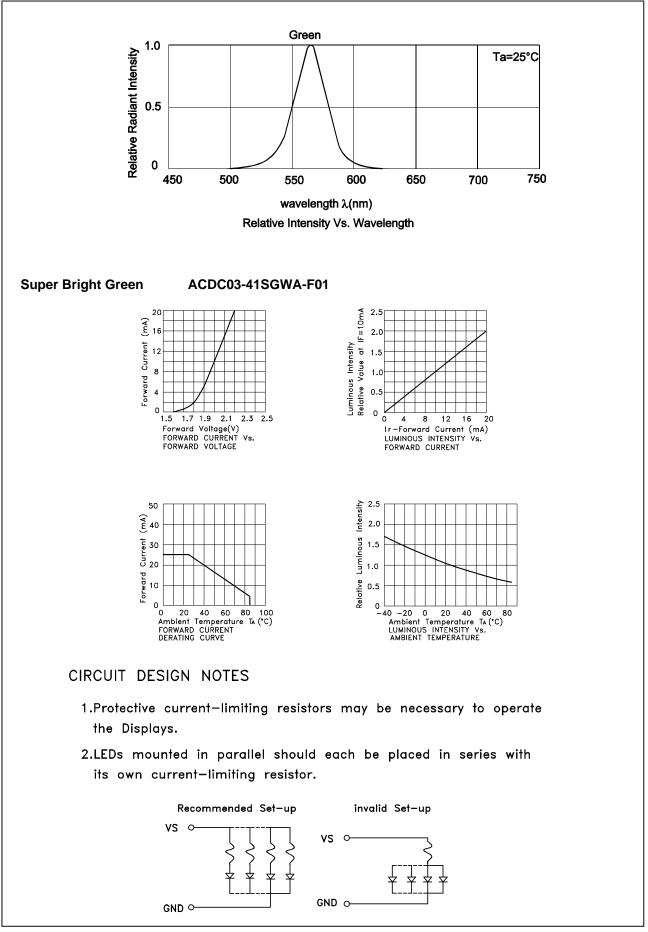
Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

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

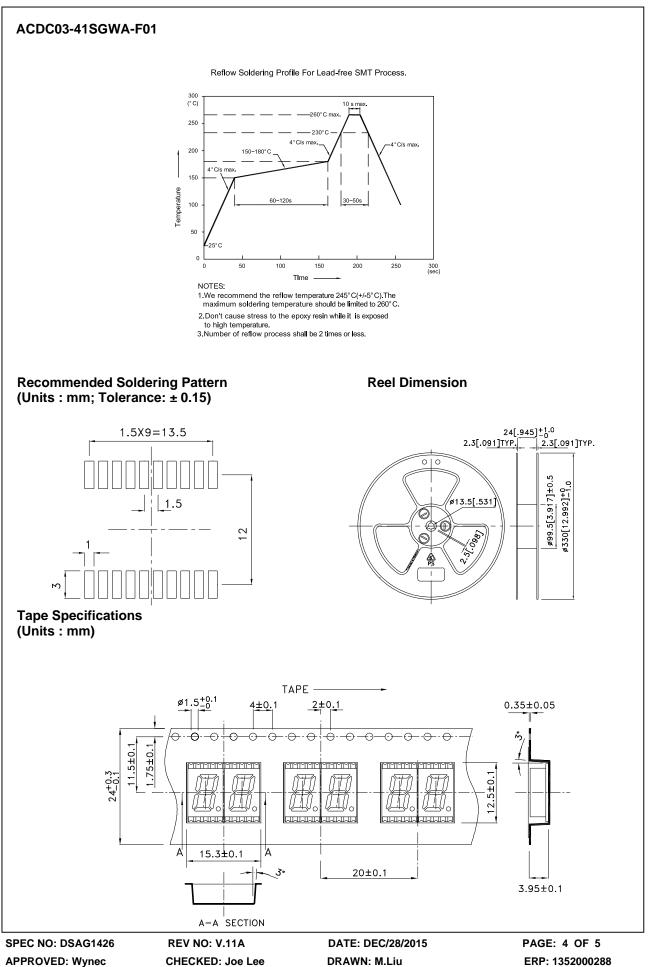
Parameter	Values	Units	
Power dissipation	62.5	mW	
DC Forward Current	25	mA	
Peak Forward Current [1]	140	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

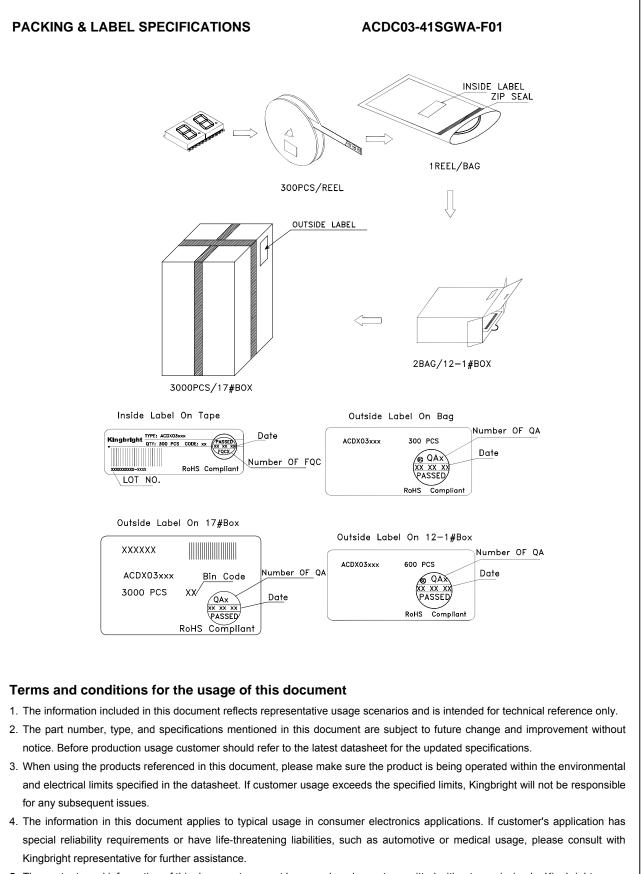
Note:

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



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- 6. All design applications should refer to Kingbright application notes available at http://www.KingbrightUSA.com/ApplicationNotes

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