### SURFACE MOUNT DISPLAY

Part Number: ACSC56-41SGWA-F01

Super Bright Green

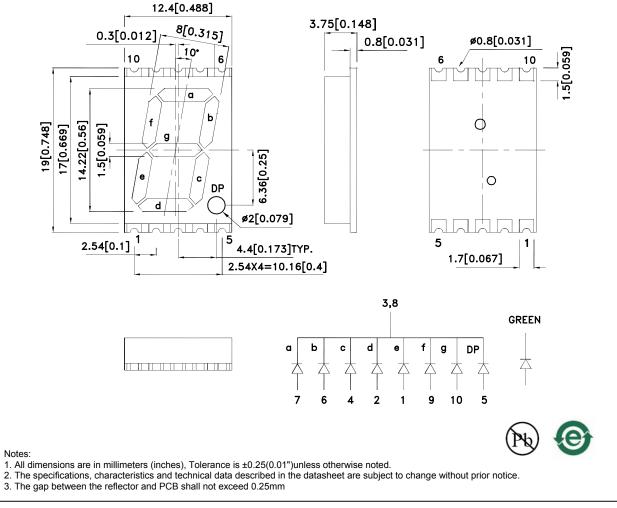
#### Features

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package: 400pcs/ reel.
- 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: DSAG1278 APPROVED: WYNEC REV NO: V.8A CHECKED: Joe Lee DATE: MAR/05/2013 DRAWN: Q.M.Chen PAGE: 1 OF 5 ERP: 1351000375

Selection Guide									
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description				
			Min.	Тур.					
ACSC56-41SGWA-F01	Super Bright Green (GaP)	White Diffused	3600	6000	Common Cathode, Rt. Hand Decimal.				
			*900	*1800					

Notes:

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 Green	565		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Green	568		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	IF=20mA
С	Capacitance	Super Bright Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Green	2.2	2.5	V	I⊧=20mA
lr	Reverse Current	Super Bright Green		10	uA	VR=5V

Notes:

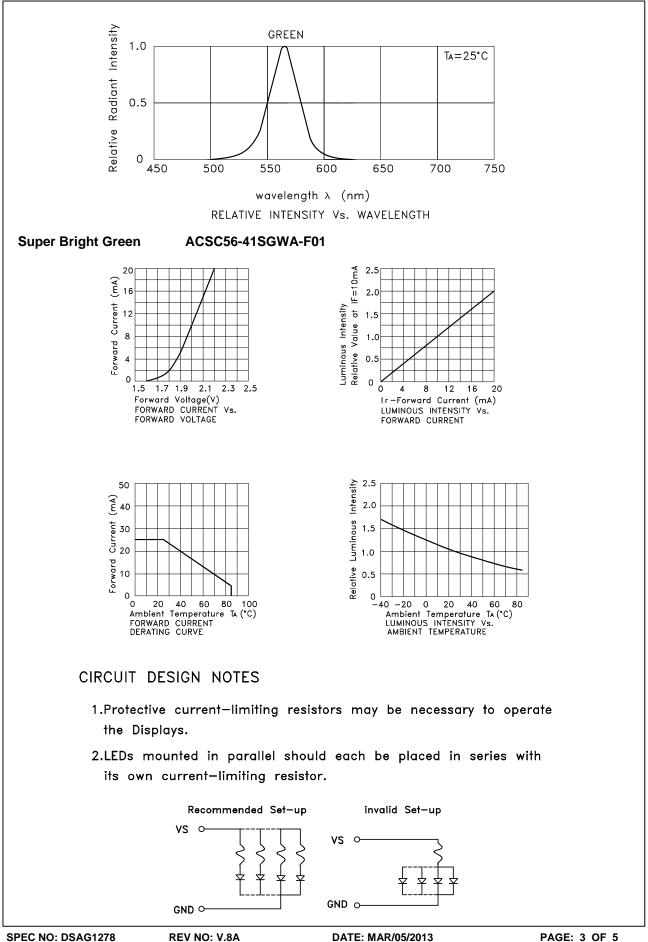
Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

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

Parameter	Super Bright Green	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		

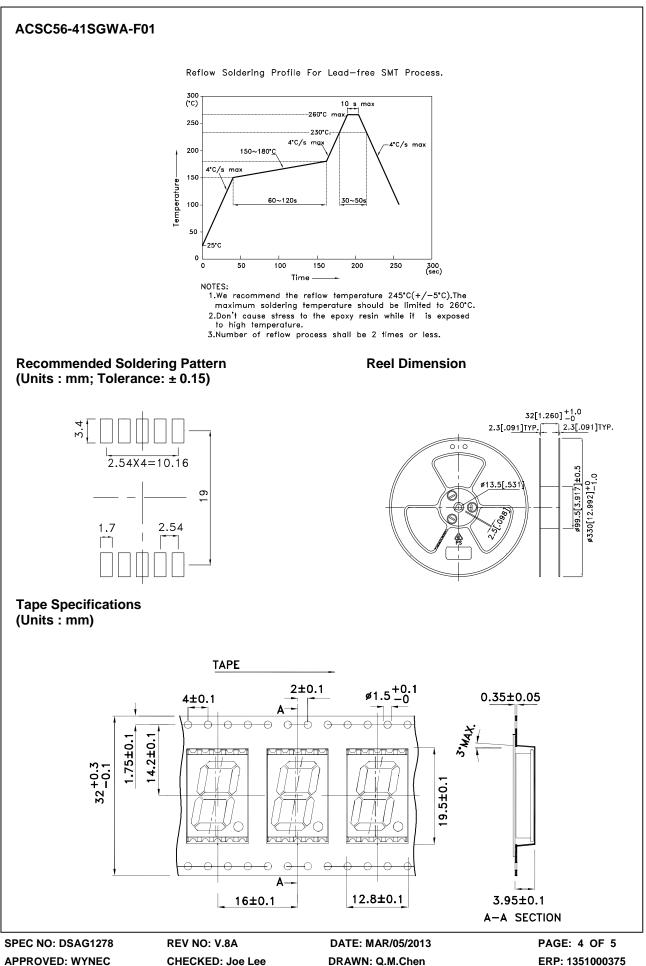
Note:

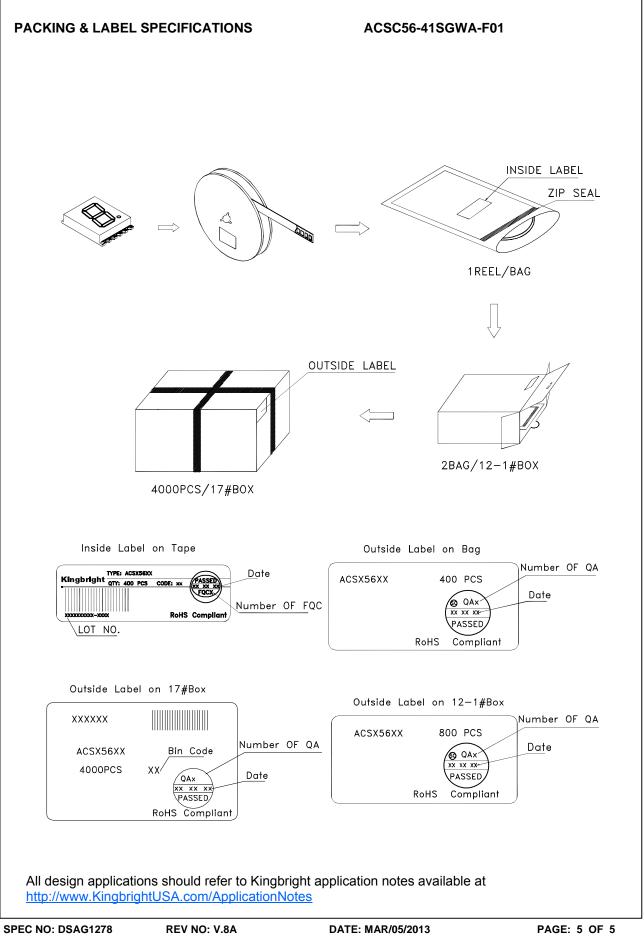
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



CHECKED: Joe Lee

DRAWN: Q.M.Chen





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