

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
ACSA56-41SGWA-F01	Super Bright Green (GaP)	WHITE DIFFUSED	3000	13200	Common Anode,Rt. Hand Decimal.

Note:

1. Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Green	565		nm	I _F =20mA
λ_D [1]	Dominant Wavelength	Super Bright Green	568		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Super Bright Green	30		nm	I _F =20mA
C	Capacitance	Super Bright Green	15		pF	V _F =0V;f=1MHz
V _F [2]	Forward Voltage	Super Bright Green	2.2	2.5	V	I _F =20mA
I _R	Reverse Current	Super Bright Green		10	uA	V _R =5V

Notes:

1.Wavelength: +/-1nm.

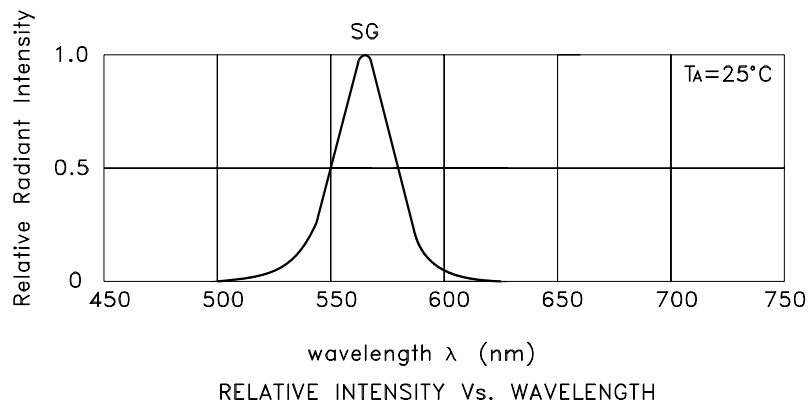
2. Forward Voltage: +/-0.1V.

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.



Super Bright Green

ACSA56-41SGWA-F01

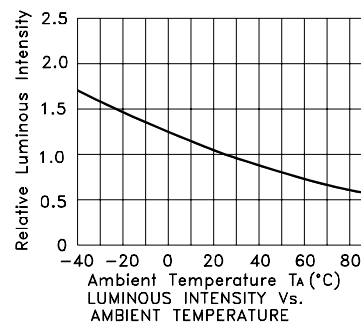
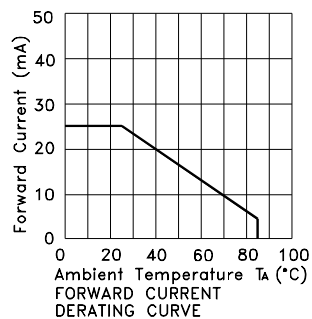
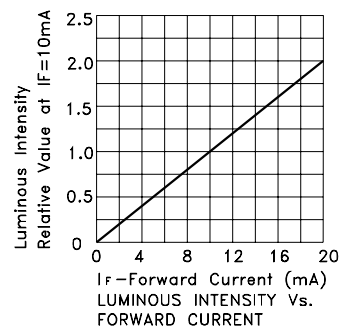
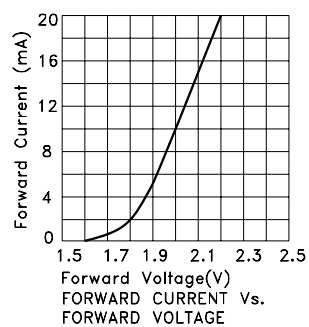
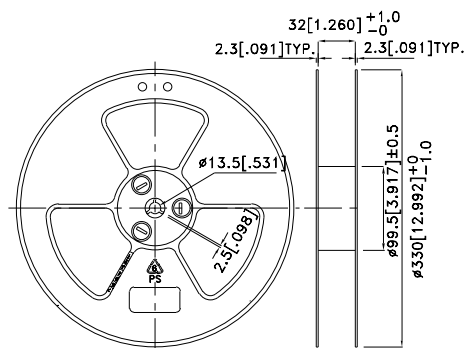
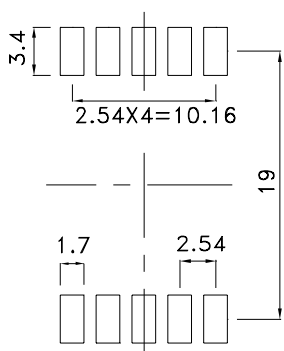


Figure 1 is a graph showing the temperature profile of the sample during the DSC measurement. The y-axis represents Temperature (°C) from 0 to 300, and the x-axis represents Time (sec) from 0 to 300. The profile starts at 25°C, rises at 4°C/s to 150°C (40s), then at 4°C/s to 180°C (60s), then at 4°C/s to 260°C (100s), holds at 260°C for 10s, and finally cools at 4°C/s to 100°C (250s).

1. We recommend the reflow temperature 245°C(+/-5°C).The maximum soldering temperature should be limited to 260°C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

Reel Dimension



Technical drawing of a TAPE, showing top and side views with dimensions.

Top View Dimensions:

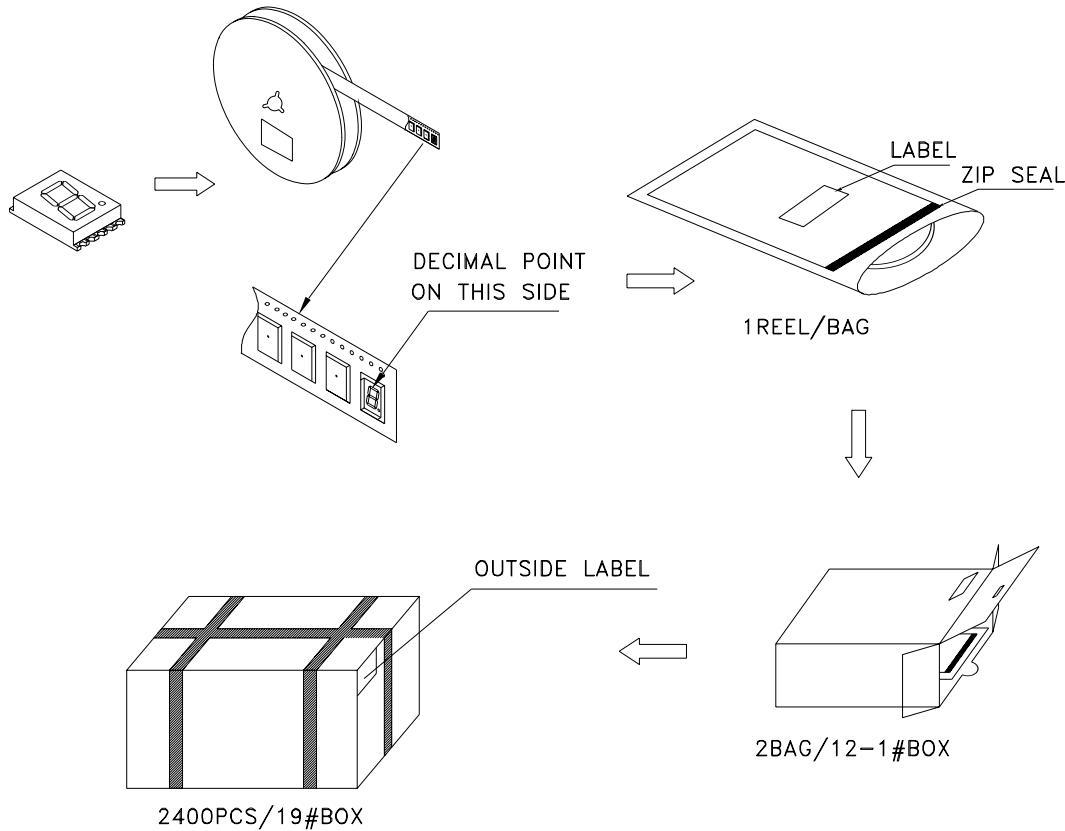
- Overall width: $32^{+0.3}_{-0.1}$
- Overall height: 19.5 ± 0.1
- Distance from top edge to first row of holes: 1.75 ± 0.1
- Distance between rows of holes: 14.2 ± 0.1
- Distance from left edge to first hole: 4 ± 0.1
- Distance between holes: 2 ± 0.1
- Hole diameter: $\phi 1.5^{+0.1}_{-0}$
- Distance from last hole to right edge: 12.5 ± 0.1
- Distance between vertical centerlines of the three main sections: 16 ± 0.1

Side View (A-A SECTION) Dimensions:

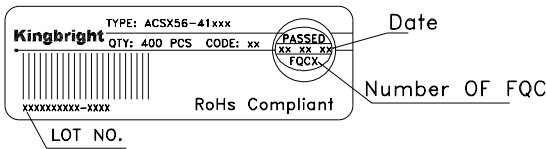
- Top thickness: 0.35 ± 0.05
- Bottom thickness: 3.95 ± 0.1
- Angle: 3°MAX.

PACKING & LABEL SPECIFICATIONS

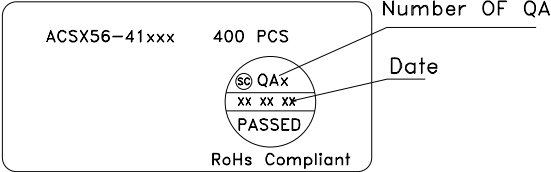
ACSA56-41SGWA-F01



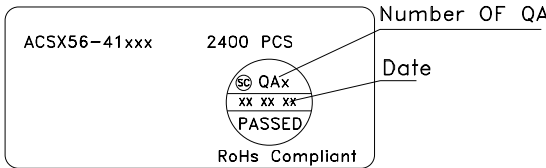
Inside LABEL Paste On The Type pipe



Outside LABEL Paste On The BAG



Outside LABEL Paste On The 19#Box



Outside LABEL Paste On The 12-1#Box

