

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
ACSC56-41SYKWA-F01	Super Bright Yellow (InGaAlP)	WHITE DIFFUSED	18000	76000	Common Cathode, 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 Yellow	590		nm	I _F =20mA
λ_D [1]	Dominant Wavelength	Super Bright Yellow	590		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Super Bright Yellow	20		nm	I _F =20mA
C	Capacitance	Super Bright Yellow	20		pF	V _F =0V;f=1MHz
V _F [2]	Forward Voltage	Super Bright Yellow	2.0	2.5	V	I _F =20mA
I _R	Reverse Current	Super Bright Yellow		10	uA	V _R =5V

Notes:

1.Wavelength: +/-1nm.

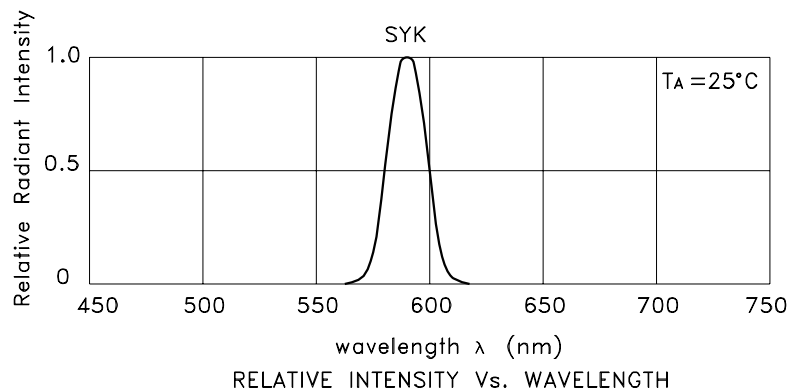
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Yellow	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	

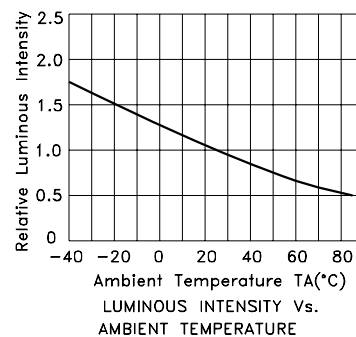
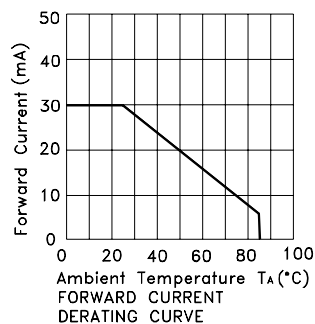
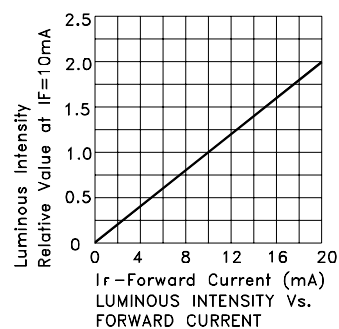
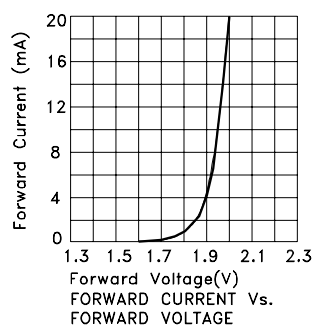
Note:

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



Super Bright Yellow

ACSC56-41SYKWA-F01

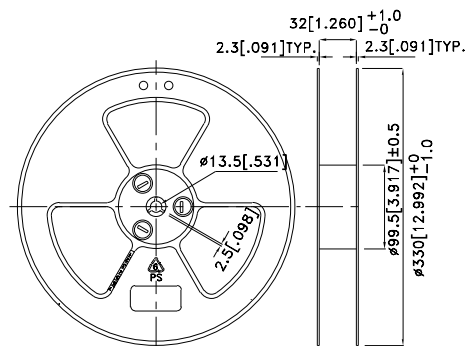
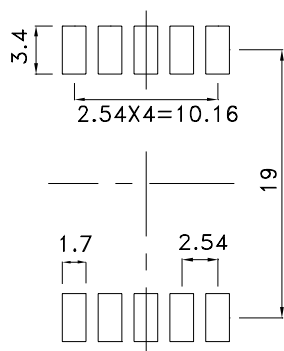


The graph illustrates the temperature profile of the furnace. The temperature starts at 25°C and rises at a rate of 4°C/s to 150°C, which takes approximately 60 to 120 seconds. It then continues to rise at 4°C/s to 230°C, and finally to 260°C, also at 4°C/s. The temperature is held at 260°C for a maximum of 10 seconds before cooling at 4°C/s.

NOTES:

- 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:

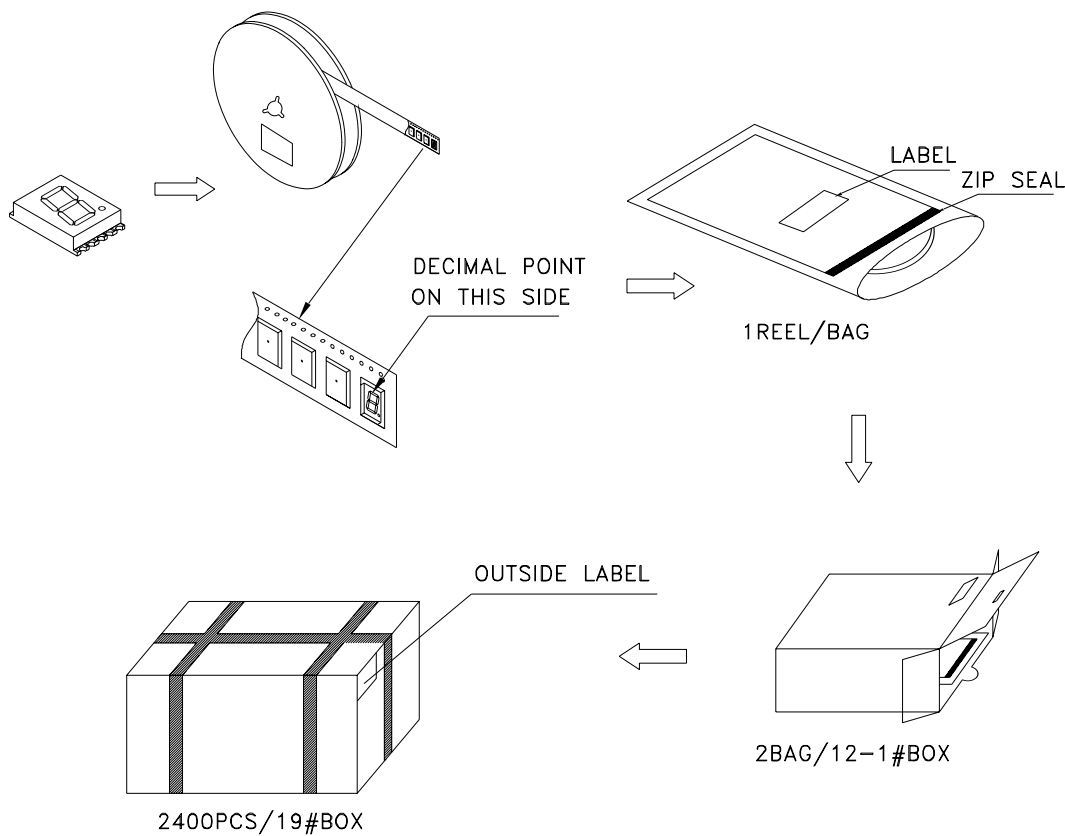
- Overall width: $32^{+0.3}_{-0.1}$
- Overall height: 19.5 ± 0.1
- Distance from top edge to first row of holes: 1.75 ± 0.1
- Distance between rows of holes: 14.2 ± 0.1
- Distance from left edge to first column of holes: 4 ± 0.1
- Distance between columns of holes: 16 ± 0.1
- Distance from right edge to last column of holes: 12.5 ± 0.1
- Distance between centerlines of the three main features: 12.5 ± 0.1
- Dimension A: Indicated by arrows pointing to the centerlines of the three main features.
- Top edge feature: 2 ± 0.1
- Bottom edge feature: $\phi 1.5^{+0.1}_{-0}$

Side View Dimensions (A-A SECTION):

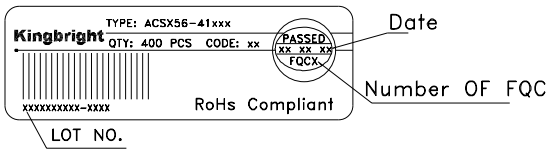
- Top flange thickness: 0.35 ± 0.05
- Maximum angle of top flange: 3°MAX.
- Bottom flange thickness: 3.95 ± 0.1

PACKING & LABEL SPECIFICATIONS

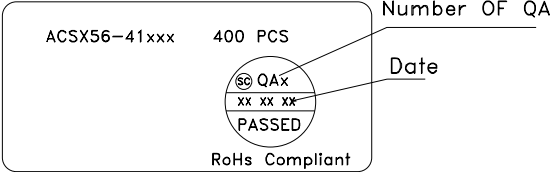
ACSC56-41SYKWA-F01



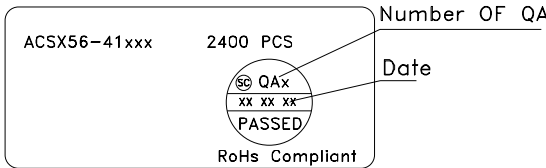
Inside LABEL Paste On The Type pipe



Outside LABEL Paste On The BAG



Outside LABEL Paste On The 19#Box



Outside LABEL Paste On The 12-1#Box

