

Kingbright

SURFACE MOUNT DISPLAY

PRELIMINARY SPEC

Part Number: ACSA08-51SYKWA

Super Bright Yellow

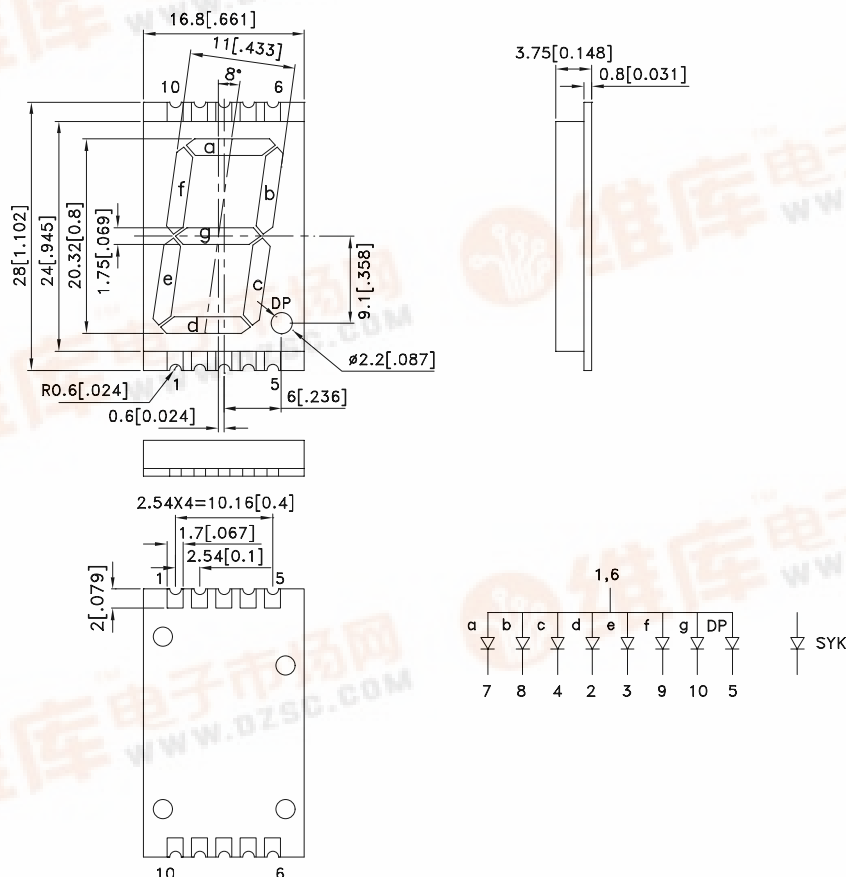
Features

- 0.8INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE
- MECHANICALLY RUGGED.
- GRAY FACE,WHITE SEGMENT.
- PACKAGE: 200PCS/ REEL
- MOISTURE SENSITIVITY LEVEL : LEVEL 4.
- RoHS COMPLIANT.

Description

The Super Bright Yellow device is made with InGaAlP (on GaAs substrate) light emitting diode chip.

Package Dimensions& Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches). Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
2. Specifications are subject to change without notice.
3. The gap between the reflector and PCB shall not exceed 0.25mm.



Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
ACSA08-51SYKWA	Super Bright Yellow (InGaAlP)	WHITE DIFFUSED	12000	65000	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 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.

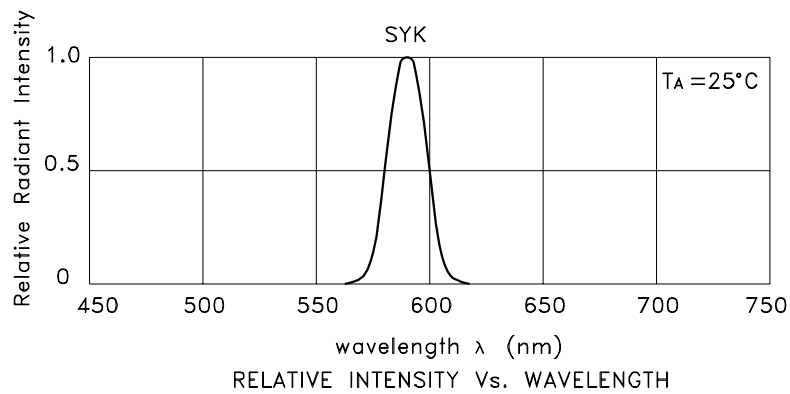
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

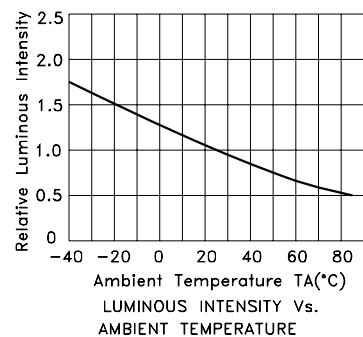
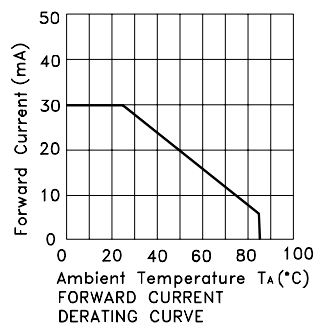
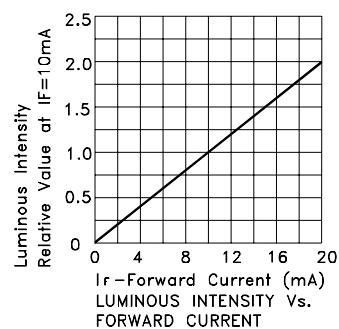
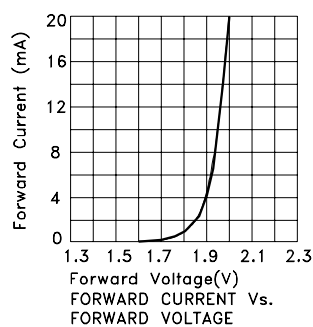
Parameter	Super Bright Yellow	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	175	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	

Note:

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

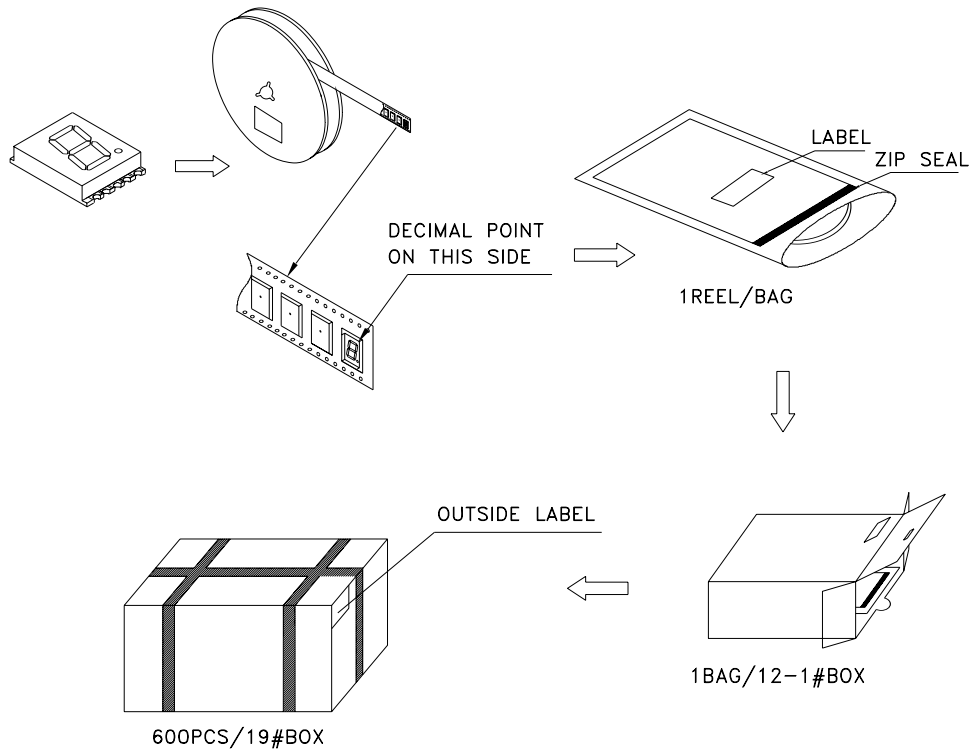


Super Bright Yellow ACSA08-51SYKWA



PACKING & LABEL SPECIFICATIONS

ACSA08-51SYKWA



Inside LABEL Paste On The Tape-pipe

Kingbright	TYPE: ACSX08-51xxx	Date
QTY: 200 PCS	CODE: xx	PASSED
RoHs Compliant		Number OF FQC
LOT NO.		

Outside LABEL Paste On The BAG

ACSX08-51xxx	200 PCS	Number OF QA
RoHs Compliant		Date
PASSED		

Outside LABEL Paste On The 19#Box

BOX Number	xxxx	XXX X
ACSX08-51xxx	600	x
Number OF QA		Date
RoHs Compliant		

Outside LABEL Paste On The 12-1#Box

ACSX08-51xxx	200 PCS	Number OF QA
X: XXX PCS		Date
RoHs Compliant		