

Excellent Integrated System Limited

Stocking Distributor

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Kingbright ACSA02-41SYKWA-F01

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACSA02-41SYKWA-F01 - DISPLAY 590NM YLW 1DIG 0.2" SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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SURFACE MOUNT DISPLAY

Part Number: ACSA02-41SYKWA-F01

Super Bright Yellow

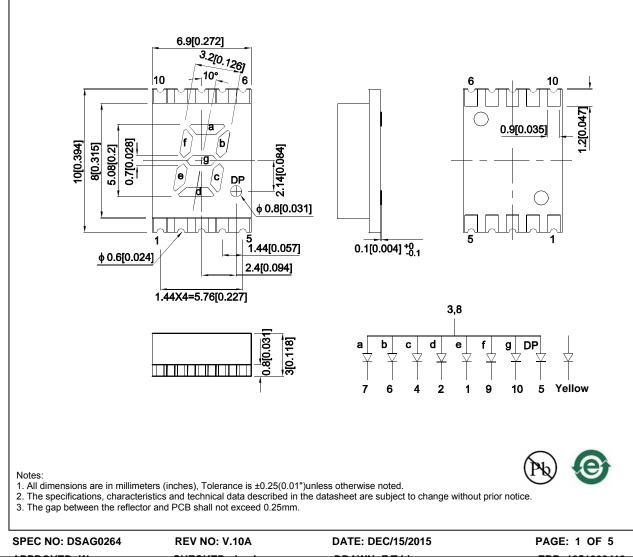
Features

- 0.2inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package : 650pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

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

Package Dimensions& Internal Circuit Diagram





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Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description			
			Min.	Тур.				
ACSA02-41SYKWA-F01	Super Bright Yellow (AlGaInP)	White Diffused	21000	50000	Common Anode, Rt.			
			*5600	*15000	Hand Decimal.			

Note:

1. 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 Yellow	590		nm	IF=10mA
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	IF=10mA
С	Capacitance	Super Bright Yellow	20		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Yellow	1.95	2.5	V	IF=10mA
IR	Reverse Current	Super Bright Yellow		10	uA	VR=5V

Notes:

 Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
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

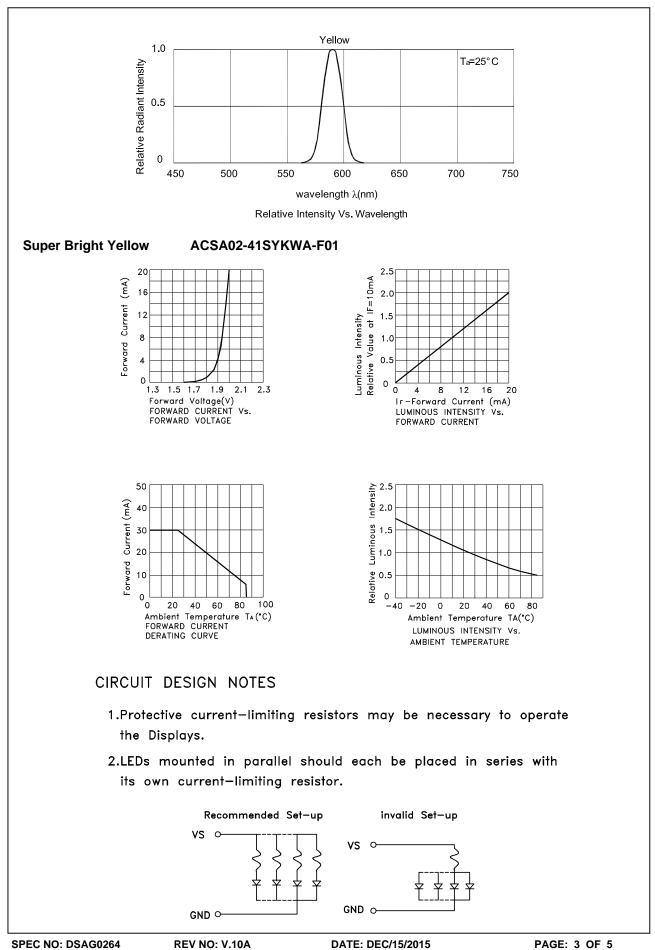
Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	175	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Note:

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



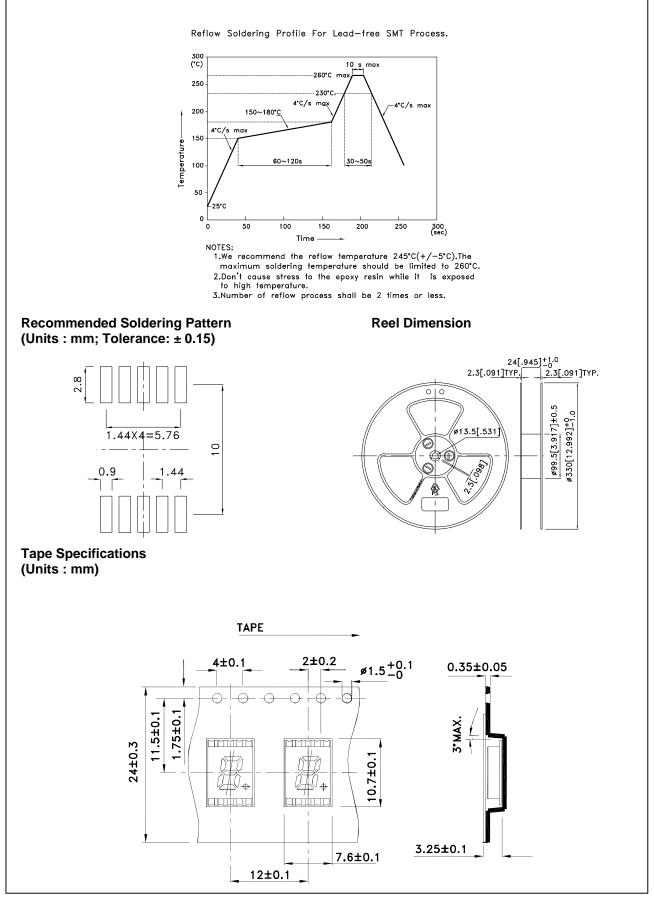
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ACSA02-41SYKWA-F01



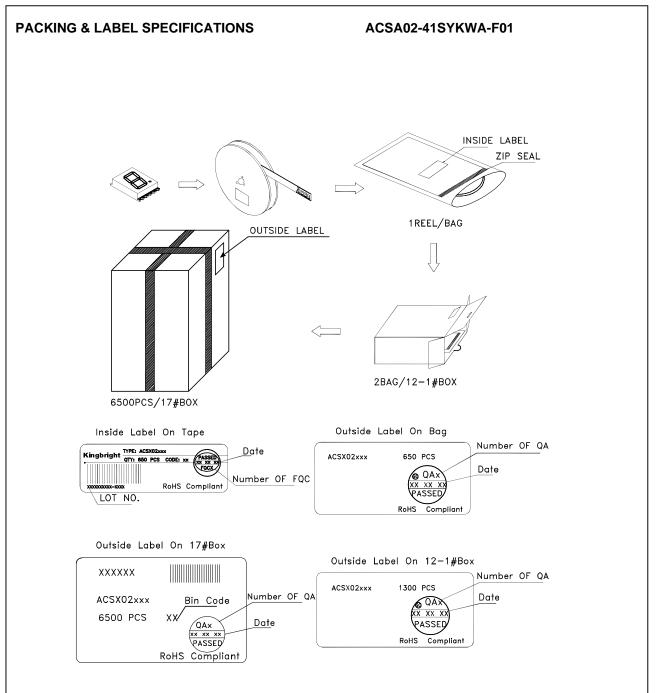
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