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Kingbright ACSA08-51SYKWA

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SURFACE MOUNT DISPLAY

Part Number: ACSA08-51SYKWA

Description

Super Bright Yellow

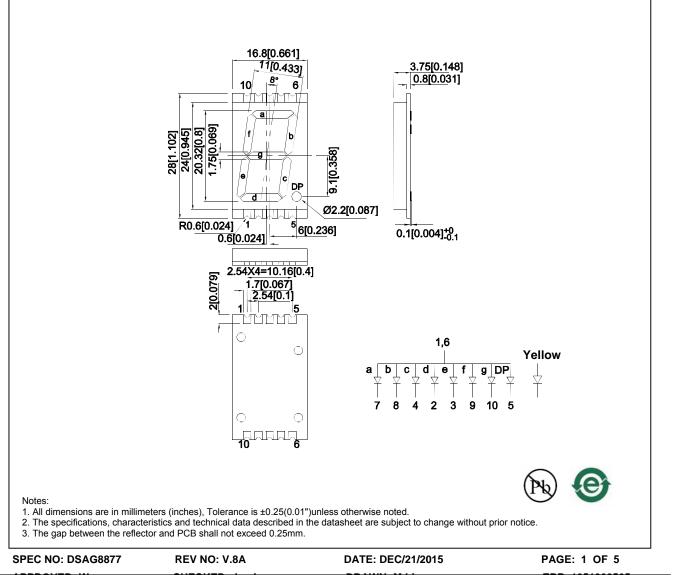
GaAs substrate) light emitting diode chip.

The Super Bright Yellow device is made with AlGaInP (on

Features

- 0.8 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package: 200pcs/ reel
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Package Dimensions& Internal Circuit Diagram





Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description				
			Min. T	Тур.					
ACSA08-51SYKWA	Super Bright Yellow (AlGaInP)	White Diffused	31000	93000	Common Anode, Rt. Hand Decimal.				
			*14000	*30000					

Notes:

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
lr	Reverse Current	Super Bright Yellow		10	uA	VR=5V

Notes:

1. Wavelength: +/-1nm.

2. 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.

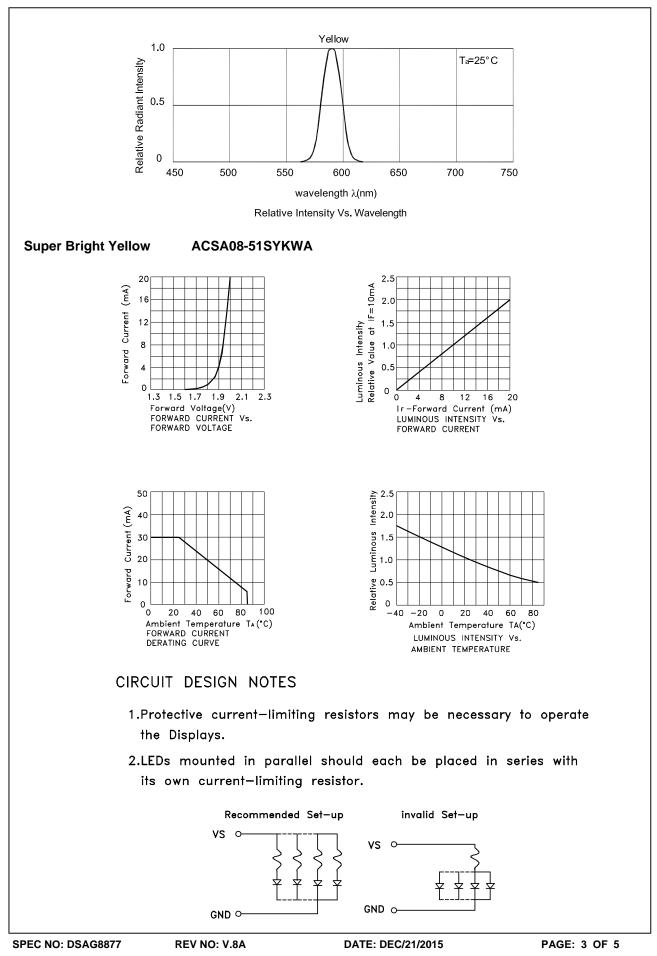
Absolute Maximum Ratings at TA=25°C

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:

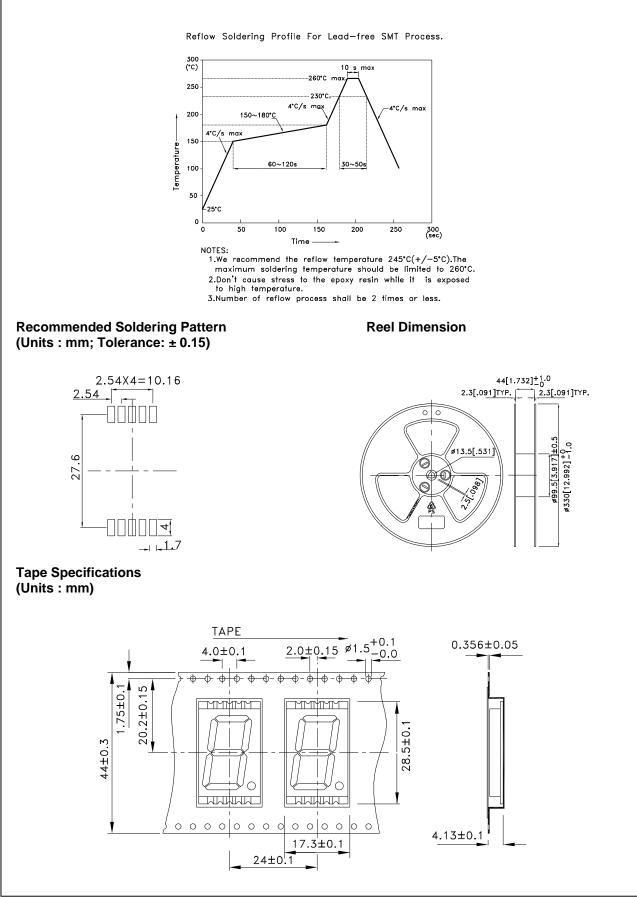
1. 1/10 Duty Cycle, 0.1ms Pulse Width.







ACSA08-51SYKWA

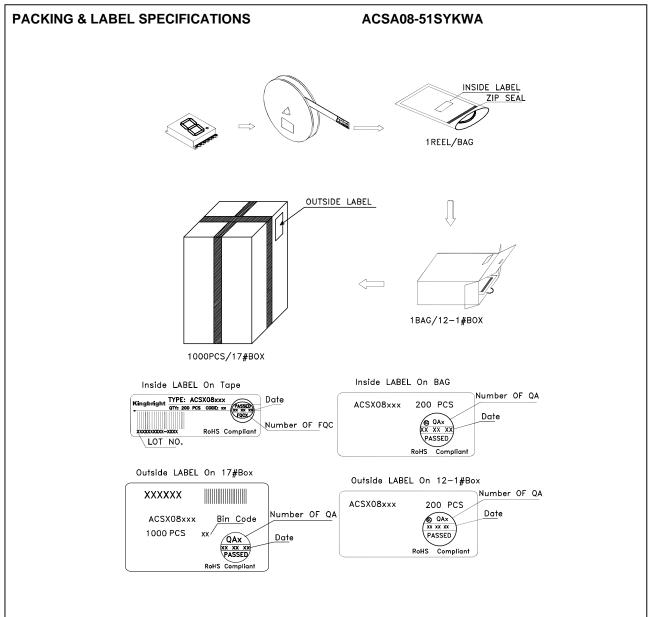


SPEC NO: DSAG8877

REV NO: V.8A

DATE: DEC/21/2015





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