

Excellent Integrated System Limited

Stocking Distributor

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Kingbright ACDC02-41SGWA-F01

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



Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACDC02-41SGWA-F01 - DISPLAY 565NM GRN 2DIG 0.2" SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Kingbright

SURFACE MOUNT DISPLAY

Part Number: ACDC02-41SGWA-F01

Super Bright Green

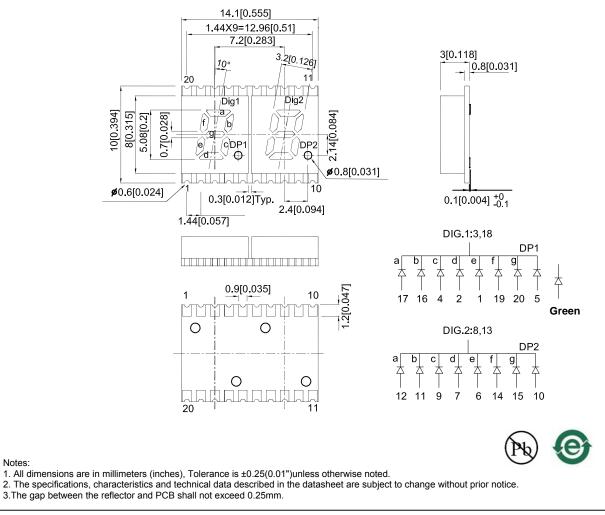
Features

- 0.2 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Package :300pcs / reel.
- Gray face, white segment.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

The Super Bright Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAG0228



Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	200011011
ACDC02-41SGWA-F01	Super Bright Green (GaP)	White Diffused	1400	3900	Common Cathode, Rt. Hand Decimal.
			*560	*1400	

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 Green	565		nm	IF=10mA
λD [1]	Dominant Wavelength	Super Bright Green	568		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	IF=10mA
С	Capacitance	Super Bright Green	15		pF	V⊧=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Green	2	2.5	V	IF=10mA
lr	Reverse Current	Super Bright Green		10	uA	Vr=5V

Notes:

1. Wavelength: + / -1nm.

2. Forward Voltage: + / -0.1V.

4. 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

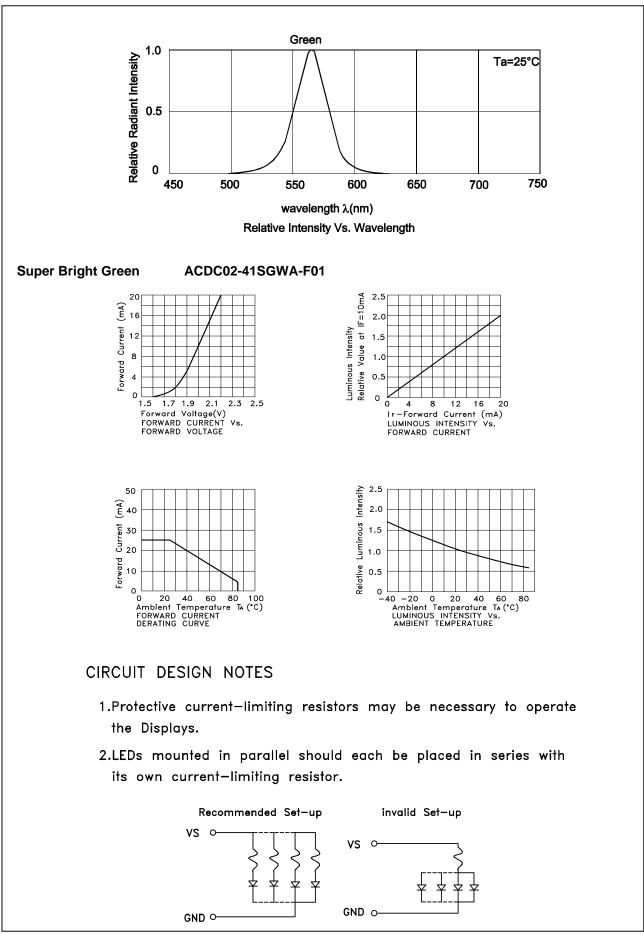
Parameter	Values	Units	
Power dissipation	62.5	mW	
DC Forward Current	25	mA	
Peak Forward Current [1]	140	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Note:

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

^{3.} Wavelength value is traceable to the CIE127-2007 compliant national standards.



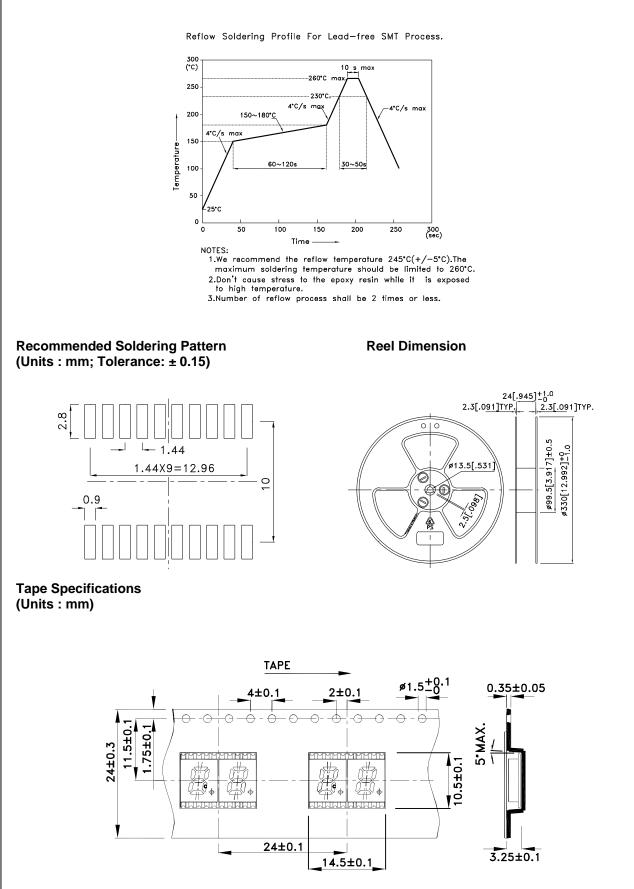


REV NO: V.10A

DATE: DEC/28/2015



ACDC02-41SGWA-F01

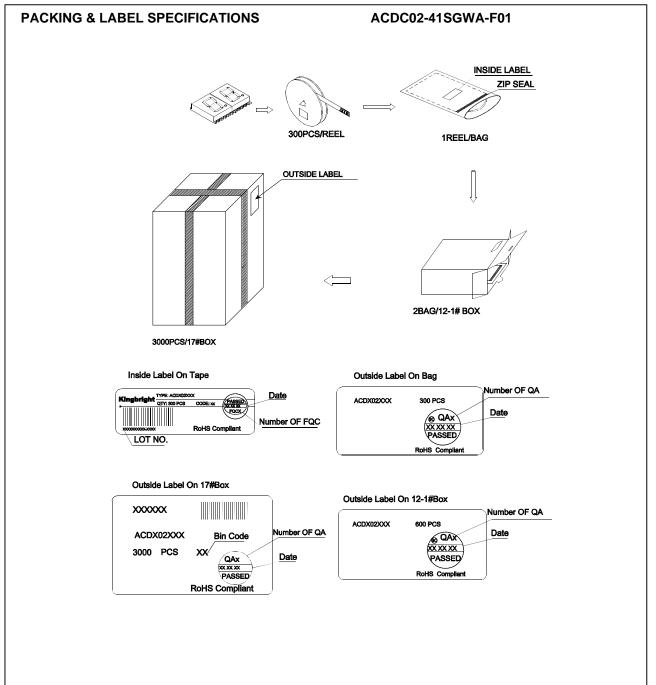


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