

Part Number: ACSC56-41QWA/D-F01

White

ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

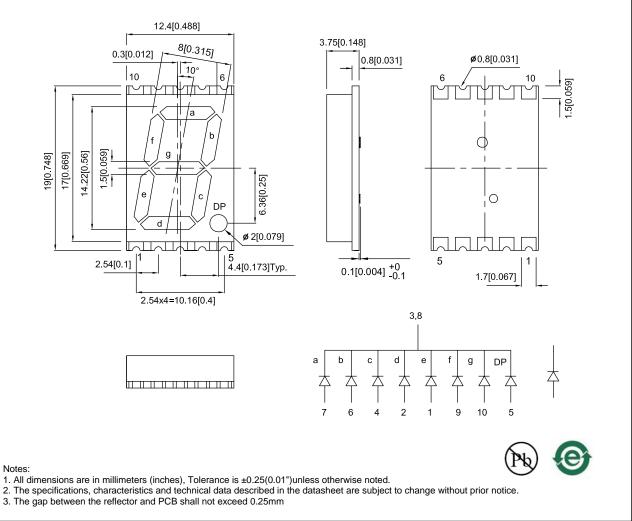
Features

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package: 400pcs/ reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Descriptions

- The source color devices are made with InGaN Light Emitting Diode.
- Electrostatic discharge and power surge could damage the LEDs.
- It is recommended to use a wrist band or antielectrostatic glove when handling the LEDs.
- All devices, equipment and machinery must be electri cally grounded.

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAM9764 APPROVED: Wynec REV NO: V.2B CHECKED: Joe Lee DATE: OCT/26/2016 DRAWN: L.T.Zhang PAGE: 1 OF 6 ERP: 1351000681

Selection Guide							
Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description		
			Min.	Тур.			
ACSC56-41QWA/D-F01	White (InGaN)	White Diffused	21000	38000	Common Cathode, Rt. Hand Decimal.		

Notes:

1. Luminous intensity/ luminous Flux: +/-15%.

2.Luminous intensity value is traceable to CIE127-2007 standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
VF [1]	Forward Voltage	White	3.0	4.0	V	IF=10mA
Ir	Reverse Current	White		50	uA	VR = 5V
x [2]	Ob serve sti site Co continentes	White	0.31			
y [2]	Chromaticity Coordinates		0.31			
С	Capacitance	White	100		pF	VF=0V;f=1MHz

Notes:

1. Forward Voltage: +/-0.1V.

2. Measurement tolerance of the chromaticity coordinates is ± 0.01 .

3. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

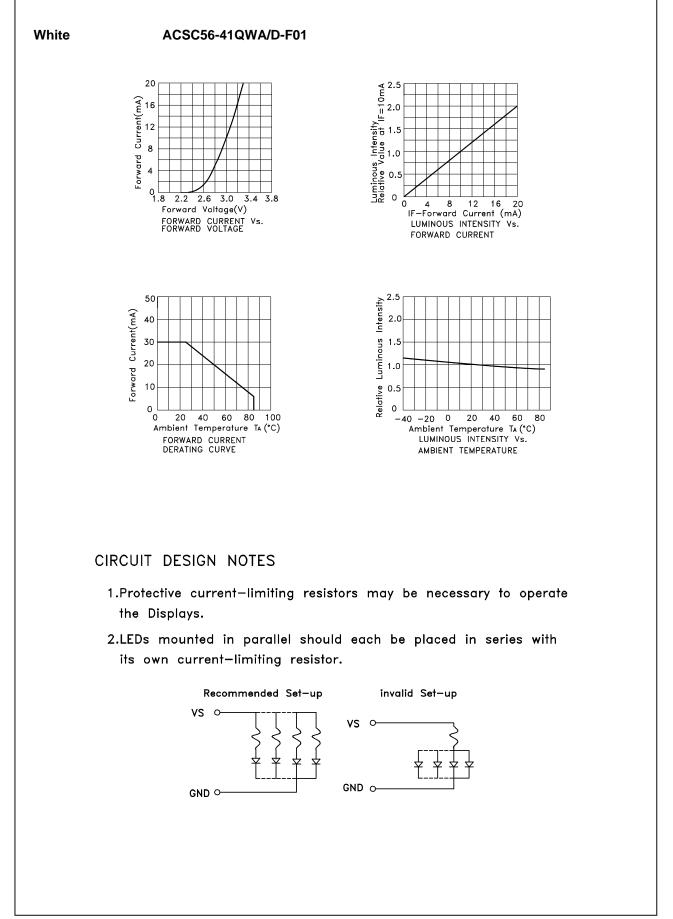
Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units		
Power dissipation	120	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	150	mA		
Electrostatic Discharge Threshold (HBM)	250	V		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			

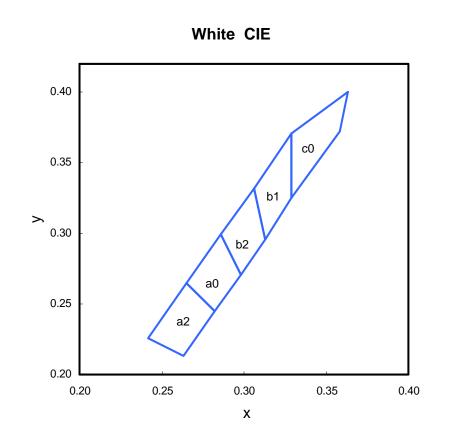
Notes:

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

2. Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



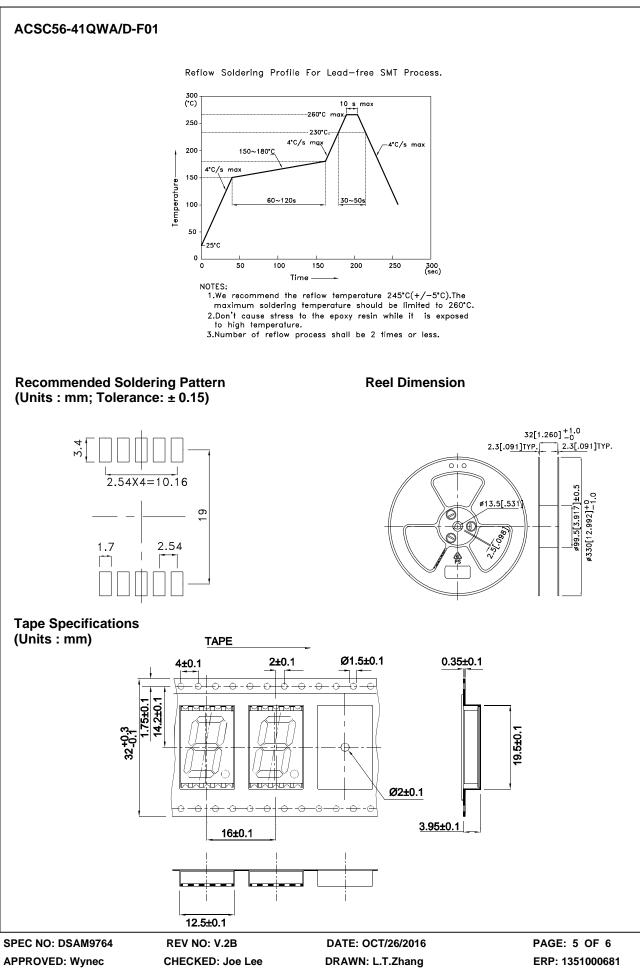
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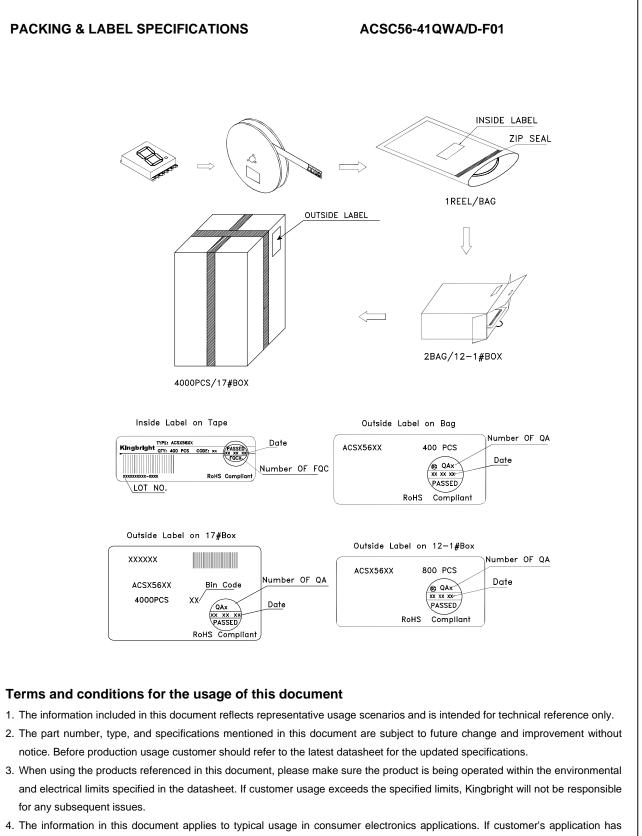


	х	У		х	у		х	у
	0.263	0.213		0.282	0.245		0.298	0.271
a2	0.282	0.245	a0	0.298	0.271	b2	0.313	0.296
az	0.265	0.265		0.286	0.299		0.306	0.332
	0.242	0.226		0.265	0.265		0.286	0.299
	0.313	0.296	c0	0.329	0.325			
b1	0.329	0.325		0.358	0.372			
	0.329	0.371	00	0.363	0.400			
	0.306	0.332		0.329	0.371			

Notes:

Shipment may contain more than one chromaticity regions. Orders for single chromaticity region are generally not accepted. Measurement tolerance of the chromaticity coordinates is ± 0.01 .





- 4. The information in this document applies to typical usage in consumer electronics applications. If customer's application has special reliability requirements or have life-threatening liabilities, such as automotive or medical usage, please consult with Kingbright representative for further assistance.
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