### imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



### Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



#### SURFACE MOUNT DISPLAY

Part Number: ACSC03-41SRWA-F01 Super Bright Red

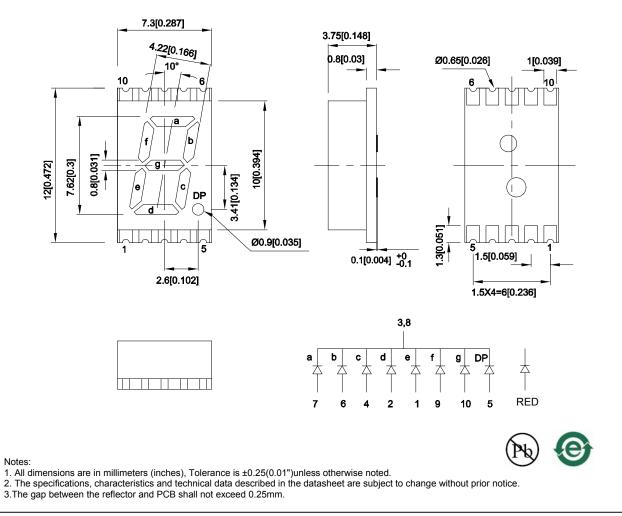
#### Features

- 0.3 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package : 550pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

#### Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

#### 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.					
ACSC03-41SRWA-F01	Super Bright Red (GaAlAs)	White Diffused	5600	9800	Common Cathode, Rt. Hand Decimal.				
			*1400	*2600					

Note:

1. Luminous intensity / luminous Flux: + / -15%. \* 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
λpeak	Peak Wavelength	Super Bright Red	655		nm	I⊧=10mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	I⊧=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	I⊧=10mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Red	1.8	2.5	V	I⊧=10mA
IR	Reverse Current	Super Bright Red		10	uA	VR=5V

Notes: 1. Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to CIE127-2007 standards.

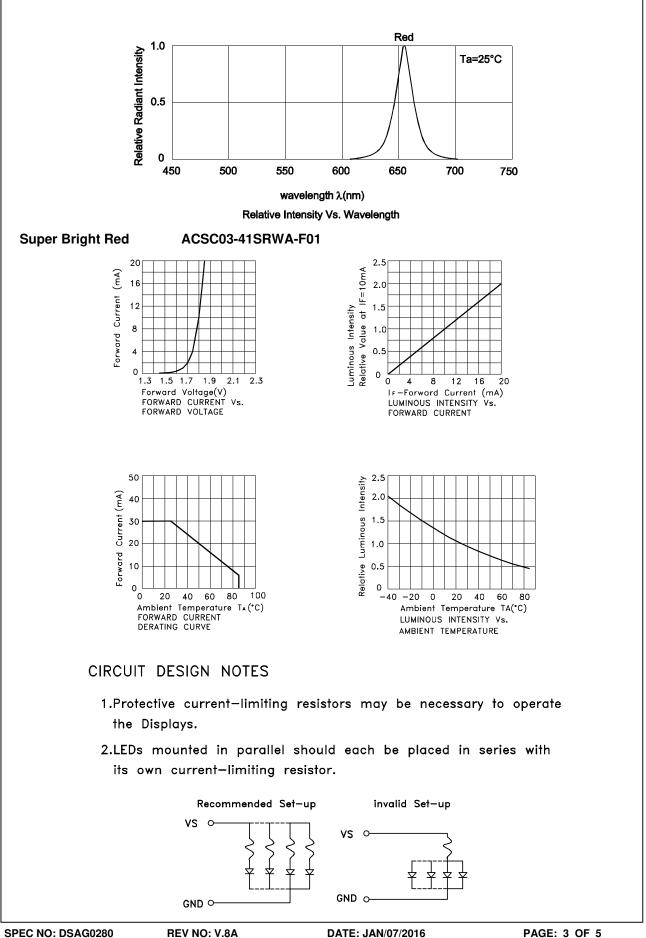
Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

#### Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	155	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

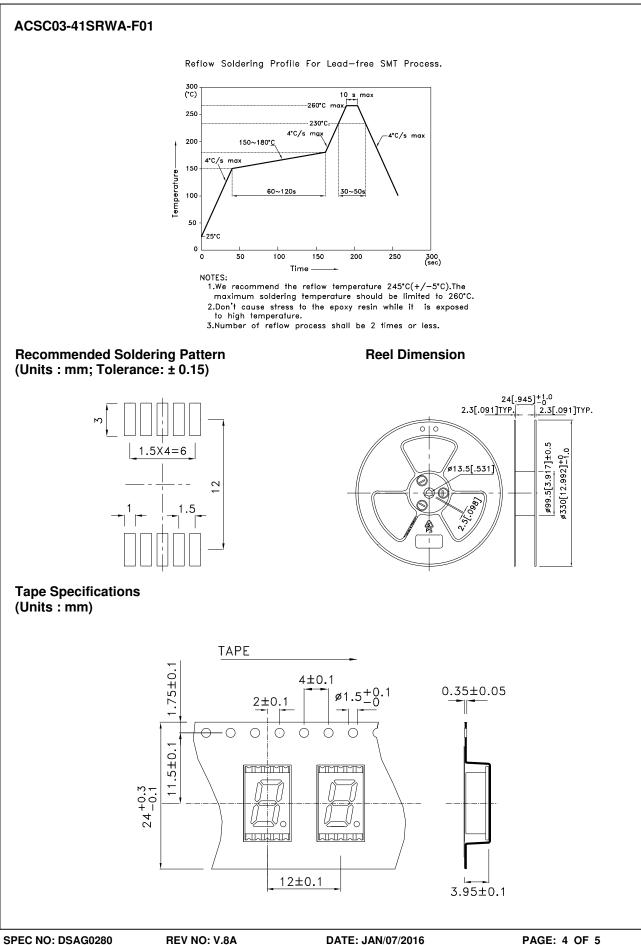
Note: 1. 1/10 Duty Cycle, 0.1ms Pulse Width.

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.



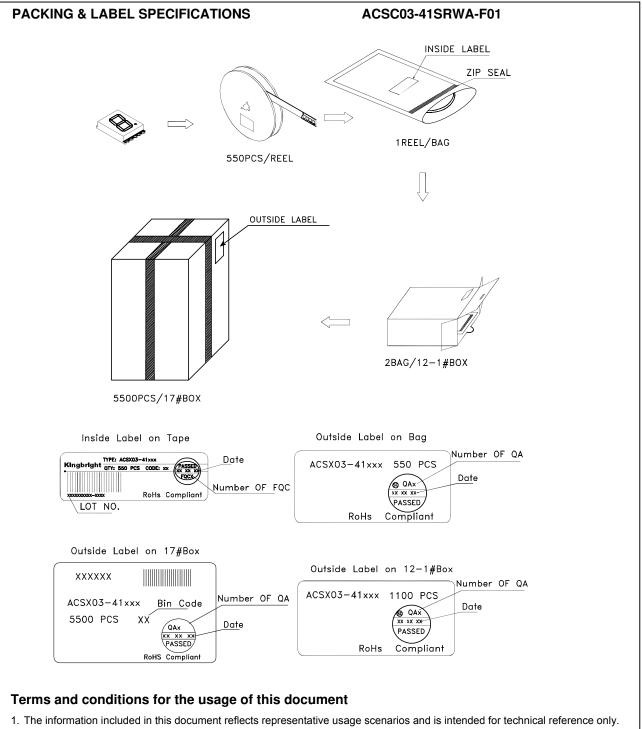
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- 2. The part number, type, and specifications mentioned in this document are subject to future change and improvement without notice. Before production usage customer should refer to the latest datasheet for the updated specifications.
- 3. When using the products referenced in this document, please make sure the product is being operated within the environmental and electrical limits specified in the datasheet. If customer usage exceeds the specified limits, Kingbright will not be responsible for any subsequent issues.
- 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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