SURFACE MOUNT DISPLAY

Part Number: ACSA03-41SRWA-F01

Super Bright Red

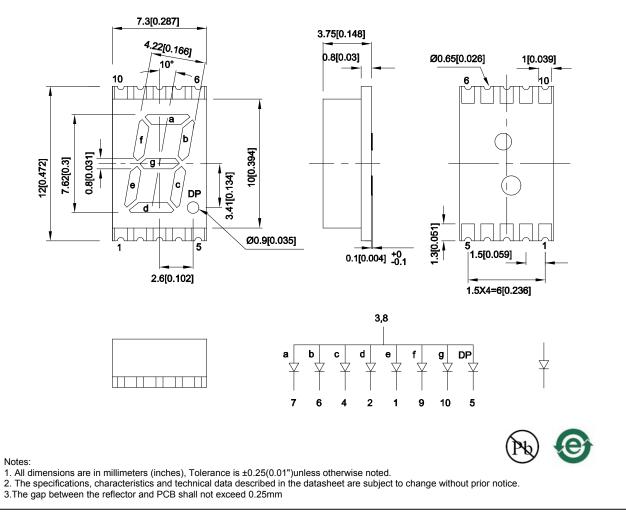
Features

- 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



SPEC NO: DSAG0268 APPROVED: Wynec REV NO: V.10A CHECKED: Joe Lee DATE: JAN/05/2016 DRAWN: F.T.Liu PAGE: 1 OF 5 ERP: 1351000379

Selection Guide Part No.	Emitting Color (Material)	I) Lens Type	lv (ucd) [1] @ 10mA		Description
i un no.			Min.	Тур.	Description
			5600	9800	Common Anode, Rt. Hand Decimal.
ACSA03-41SRWA-F01	Super Bright Red (GaAlAs)	White Diffused	*1400	*2600	

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 Red	655		nm	IF=10mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=10mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Red	1.85	2.5	V	IF=10mA
lr	Reverse Current	Super Bright Red		10	uA	VR=5V

Notes:

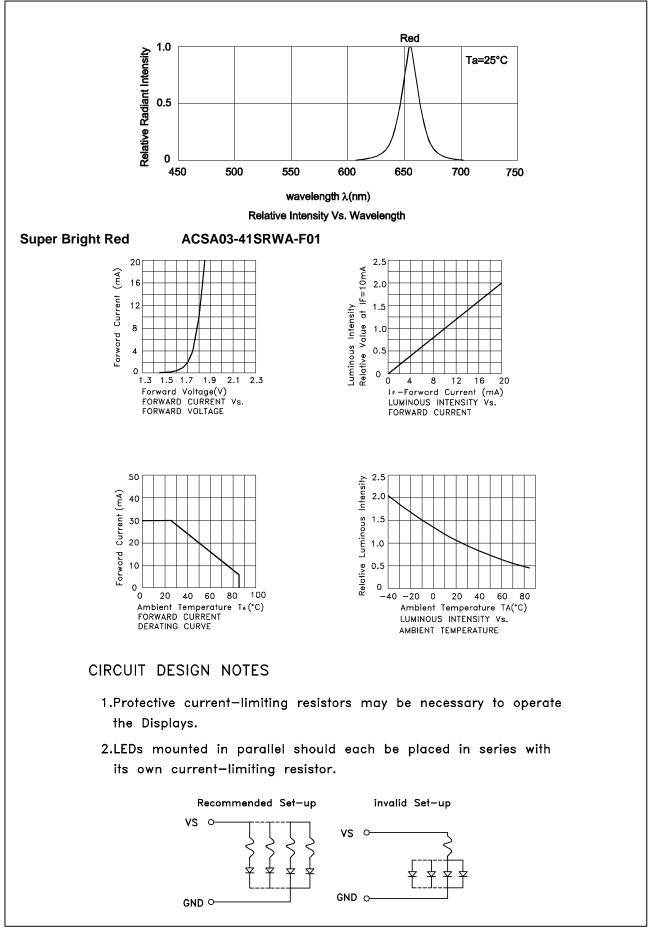
 Wavelength: +/-1nm.
 Forward Voltage: +/-0.1V.
 Wavelength value is traceable to the CIE127-2007 compliant national standards.
 Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

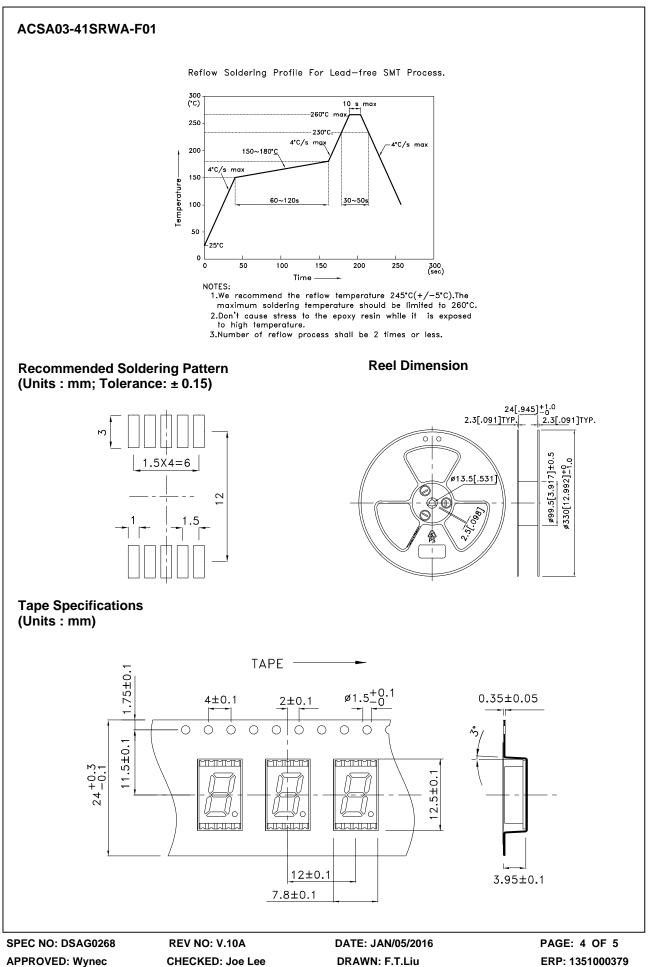
Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	155	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

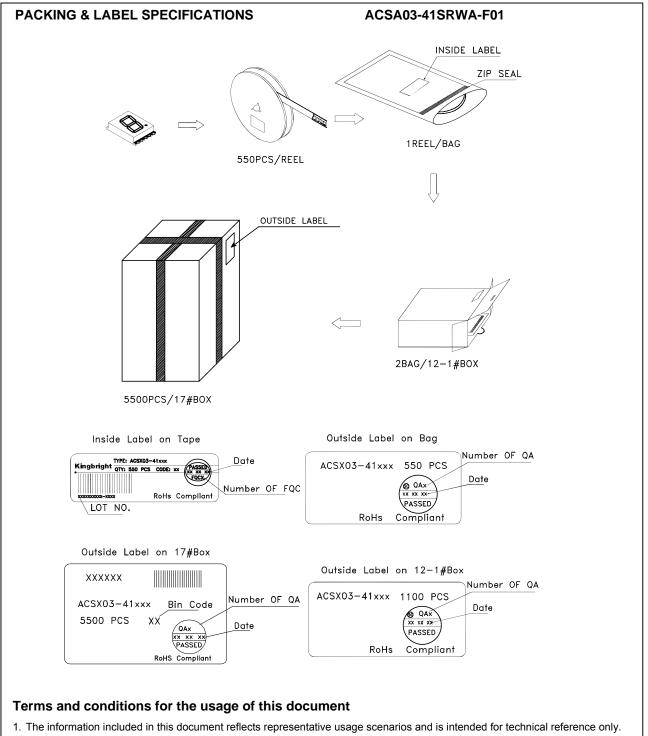
Note:

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



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- 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.
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